# Oil, Paint and Drug Reporter

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Volume 152 No. 18 November 3, 1947



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|---|---|---|---|---|
| | 200 | 300 | 400 | 600 |
| Average Molecular Weight | 190 to 210 | 285 to 315 | 380 to 420 | 570 to 630 |
| Flash Point, °F. | 350 | 385 | 435 | 475 |
| Saybolt Viscosity at 210°F., sec. | 38 to 41 | 42 to 46 | 45 to 55 | 60 to 70 |
| Comparative Hygroscopicity (62% R.H. at 75° F., Glycerol = 100) | 90 | 70 | 60 | 50 |

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# Oil, Paint and Drug Reporter

Volume 152 No. 18 New York 7, N. Y. November 3, 1947



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## U.S. Extends Deadline For Fertilizer Ordering

The Office of Materials Distribution last week gave foreign governments an additional fifteen days within which to place orders for nitrogenous fertilizer materials in this country in order to obtain export priority assistance. The original deadline of October 31 was extended until November 15.

It was explained by the agency that the reason for the extension is the fact that some of the foreign governments are experiencing difficulties in placing orders. This is believed to be due to the shortage of dollars to which attention had been called earlier last week by the International Emergency Food Council in its report on the world nitrogen situation.

Another cause necessitating the extension is the fact that the movement of ammonium nitrate from this country has been halted since the Texas City disaster, and an arrangement only recently has been made to resume such shipments through Port Tampa, Fla. The first overseas shipment from this port, totaling about 8,000 tons, is expected about November 1.

The schedule of the fertilizer export program calls for the shipment of 60 percent of the 57,860 tons of nitrogen committed by this government for overseas use by January 1. Only about 20 percent of this total has been exported thus far because of exchange difficulties and the closing of our ports to the movement of ammonium nitrate.

The extension of the deadline for filing of certified export orders was contained in an amendment to direction four of Allocation Regulations 2. As amended this direction now reads as follows:

"Purchase orders certified under this direction must be placed no later than November 15, 1947, or such later date as may be authorized by OMD because of special circumstances. Orders placed after November 15, 1947, or such later date as may be authorized, shall not be treated as certified orders."

## Germany, Japan Export Controls Relaxed by OIT

The Office of International Trade has placed into export country group K, Germany, Korea, Japan, Marcus Island and the Caroline, Marianas and Marshall islands. In addition to extending all general license privileges applicable to group K countries to these destinations, the Department of Commerce has withdrawn the specific prohibitions on the applicability of the special general licenses GIT and G-PUB to Germany and Japan.

In announcing this relaxation of export controls, the department warned, however, that import permits must be obtained from the appropriate authorities before shipping to these areas. Included on the list of approved import items for some of these areas are:—

South Korea, fertilizers; petroleum and petroleum products; vegetable oils; tin and aluminum; salt; carbon black; industrial chemicals; dyes and medicines. Japan and Marcus Island, animal glue (crushed bone, sinews and hide fleshings); bauxite; carbon black; caustic soda; dyes and toners (acid, basic, direct, chrome); fats, oils and waxes (raw materials from which fats and oils are derived); graphite, crystalline and amorphous; gums and resinous balsams; ilmenite; kaolin; lacquer, natural; lead; mica; paraffin, grades one and three; petroleum products; rosin; shellac (superfine); soda ash; talc; tanning materials and tungsten concentrate.

## Vitamin A Synthesis Promoted in Holland

*Amsterdam, Oct. 30, 1947*
(Aneta)

The Zwanenburg-Organon Laboratories at Oss, where Dutch scientists recently developed the synthesis of vitamin A, plans to issue 5,000,000 guilders (about $1,900,000) in ordinary shares at 145 percent. Of this figure, 1,500,000 guilders have already been placed.

Public subscriptions to the remaining 3,500,000 guilders' worth of shares were announced Wednesday by the Amsterdamsche Bank. These shares are not yet quoted on the stock exchange, since new capital is required for redemption of bank credit, for the extension of renewals, and for financing greatly increased sales.

## *Tallow Fatty Acids Purchase Planned*

*OPD Washington Bureau*

The Commodity Credit Corporation has entered the market for the purchase of 672,000 pounds of tallow fatty acids for export, packed in fifty or fifty-five gallon steel drums, it was announced by the Department of Agriculture last week. Offers to supply the agency with the material should be made not later than 11 a.m., November 4, to the domestic Procurement section, fats and oil branch, Production and Marketing Administration (CCC) Department of Agriculture, Washington 25, D. C. The offers will be subject to acceptance in whole or in part by telegram not later than midnight of the same day

## Rosin and Turpentine Loan Program of CCC Inactive

Prevailing high prices for gum rosin and gum turpentine is making it unnecessary for producers of naval stores to make use of the outstanding loan offer of the Commodity Credit Corporation on these products, officials of the agency said last week.

Up until October 25, only 2,053,000 gallons of gum turpentine, having a loan value of $1,238,628, have been placed under loan with CCC, it was stated, which is about 20 percent of the total amount of gum turpentine produced from this year's crop. It is estimated that production of gum turpentine will amount to about 300,000 barrels or 15,000,000 gallons this year.

As of the same date the amount of gum rosin placed under loan totaled only 2,579 drums having a loan value of $86,028 which is only about one-half of 1 percent of total production thus far. Officials estimate that gum rosin production this year will amount to about 840,000 drums.

## *Trademark Protection Warning Issued by U. S.*

*OPD Washington Bureau*

Owners of trademarks desiring continued protection of their marks by the Customs Bureau against misuse on merchandise imported into the United States were cautioned by the bureau last week to have the marks registered on the Principal Trademark Register of the Patent Office.

Under the new trademark law, passed by Congress last year, which became effective July 5, customs officers are no longer permitted to detain imported merchandise solely because it bears a name or mark which copies or simulates a trademark registered on the supplemental register or under the Trade Mark Act of 1920. Protection can be afforded only for marks registered under the Trade Mark Act of 1905 or registered on the Principal Trademark Register of the new act.

In order to gain this protection, it is also incumbent upon the owner of the mark to record the mark with the Treasury. The procedure for this was set forth by the Customs Bureau in a revision of its 1943 Trade Mark and Trade Names Regulation issued last week.

To record a trademark with the Treasury Department, an application, which may be in the form of a letter, shall be addressed to the Customs Bureau, Washington 25, D. C., stating the name, residence and citizenship of the owner and the name of the locality in which the goods are manufactured.

The application must be accompanied by one certified copy of the original certificate of registration issued by the Commissioner of Patents under the act of 1905 or the act of July 5, 1946, to which shall be attached one printed patent office facsimile of the statement and drawing covering the trademark, proof of ownership, and 500 uncertified facsimiles of the statement and drawing for distribution to customs collectors and appraisers. The 500 facsimiles may be reproduced privately from a patent office facsimile.

# Price Trend Goes On Up

Price activities were more widespread last week in the markets for chemicals, oils, and drugs. While they took a downward direction in botanical materials and essential oils where supplies are more than ample, they were distinctly upgoing in heavy chemicals and fats and egg derivatives and went up a bit in some organic chemicals. The price average of the markets was raised 1.7 points—it was upped 2.9 points in the corresponding week in 1946.

Transportation costs and inadequacies were the biggest influence in the trend of prices, as well as the volume of business in heavy chemicals. Potassium, manganese, and sulphur materials were advanced. The shortage of freightcars aggravated the tightness of soda alkalies and chlorine. Heavy demands boosted quotations on animal fats, oils, and fatty acids. Vegetable oils held high, although soybean futures were cut.

Mint and wormwood oils again led declines in that section. Cloves and black pepper headed the advancing groups of spices which are getting scarce. Botanical drugs were lowered. Silver and its salts got a boost. So did morphine and codeine and their salts, also menthol. Castor beans and casein were reduced; copra was higher.

### OPD Price Index

The OIL, PAINT AND DRUG REPORTER'S relative record of prices for chemicals and related materials is currently as follows:—

| Oct. 31, 1947 | Oct. 24, 1947 | Oct. 31, 1946 |
|---|---|---|
| 147.9 | 146.2 | 147.1 |

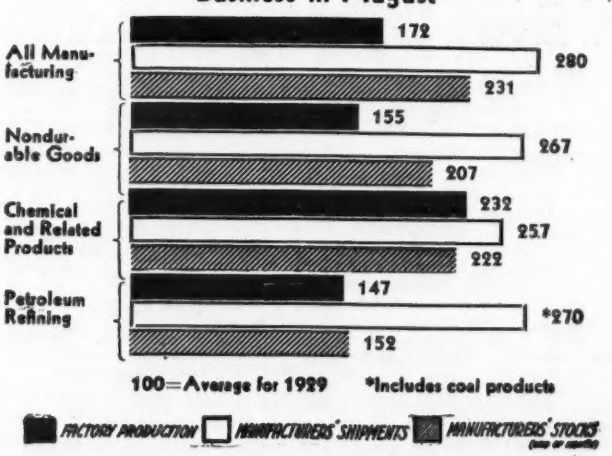
The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

### OPD Index Monthly Averages

| | 1947 | 1946 | 1945 | 1941 |
|---|---|---|---|---|
| January | 150.9 | 135.3 | 133.0 | 107.8 |
| February | 151.9 | 135.4 | 133.2 | 110.3 |
| March | 154.9 | 135.2 | 132.7 | 111.9 |
| April | 152.3 | 134.9 | 132.2 | 115.5 |
| May | 145.9 | 135.1 | 132.5 | 118.2 |
| June | 143.9 | 135.4 | 132.5 | 121.9 |
| July | 142.5 | 137.7 | 133.5 | 125.5 |
| August | 140.4 | 136.6 | 133.9 | 128.2 |
| September | 141.9 | 137.0 | 134.0 | 130.4 |
| October | 145.9 | 143.1 | 133.5 | 133.2 |
| Year's average | *147.1 | 138.8 | 133.8 | 123.2 |

* Ten months.

### Business in August




## FDA Acts to Clear Market Of Inert Parenteral Drugs

The Food and Drug Administration plans to launch a program to clean up the market of inert parenteral durgs, it was disclosed last week by George P. Larrick, assistant commissioner of the agency in charge of investigations.

Mr. Larrick said that the grounds upon which the agency intends to move against these drugs are that such drugs are worthless and, being worthless, it is impossible to provide proper labeling as to "adequate directions for use." Without such proper labeling, the drugs are in violation of the law.

In all probability the agency will make seizures of several of these drugs which will become the basis of court action on the authority of the FDA. It appears unlikely that the producers will accept the agency's construction of the law without a fight and it is expected that the question will have to be decided finally by the Supreme Court.

Mr. Larrick said that there are a large number of inert parenteral drugs on the market which the agency hopes to eliminate. The manufacturers argue that they produce the drugs because there is a demand for them from physicians, but Mr. Larrick did not regard that as a valid reason.

With respect to placebos, Mr. Larrick said that the FDA regards these in a somewhat different light from inert parenteral drugs. He thought that it would be possible to write a proper label for this class of drugs.

## Fats, Oils 1948 Supply Appraised

World supplies of fats and oils in relation to demand will continue to present very great difficulties next year, the fats and oils committee of the International Emergency Food Council declared last week at the fifth meeting of the council.

Apart from a hope for substantial improvement in supplies from Netherlands East Indies and surrounding areas, the committee said, there seems to be no other major increases in sight, while, on the other hand, the general agricultural situation in North America now points to a considerable decline in indigenous production in the 1948 calendar year.

The committee concluded that it will be increasingly difficult to establish an acceptable and workable basis of allocation of fats and oils covering the year 1948, and it seems unlikely that any firm or specific commodity scheduling can be attempted until more is known concerning:—(1) efforts being made to increase production where it is reasonable to expect more progress; and (2) the development of international financial and commercial relations, relief programs, and so forth.

It is obviously important, it was stated, that before the new calendar year begins, importing and exporting countries arrive at some provisional agreement concerning their net contributions to or net claims on world supplies. It will be aim of the committee during the remainder of the year to reach such provisional agreements until such time in 1948 it becomes possible to establish more specific allocation recommendations for the entire year.

## 2,4-D Patent Suit Ended by Agreement

Litigation instituted by The Sherwin-Williams Company, New York, for determining the validity of U. S. Patent No. 2,390,941 to Jones, covering the weed killers known as 2,4-D, has been terminated by a settlement agreement with American Chemical Paint Company, Ambler, Pa., owner of the patent. The settlement also includes three other Jones patents covering similar weed killers, Nos. 2,394,916, 2,396,513, and 2,412,510. American Chemical Paint has granted Sherwin-Williams a paid-up license under the four patents, and arrangements have been made to make the inventions available to all other manufacturers on a nominal basis.

Under this settlement, the Government and the public are given a free license to make and use, but not to sell, compositions covered by the patent involved in the litigation. In addition, the same free license is given to the Government and the public under the three other Jones patents.

# Truman Urged to Halt Sale of 98 U.S. Tankers

*OPD Washington Bureau*

President Truman was urged last week by the senate small business committee to halt the proposed sale of ninety-eight tankers from the government's surplus fleet to foreign interests. The committee asked that they be used in the transportation of oil from Saudi Arabia to this country.

Senator Kenneth Wherry of Nebraska announced the decision of the committee following a one-day hearing in its investigation of the release for export of steel pipe by the Department of Commerce for construction of a 1,100-mile pipeline from the Saudi Arabian oil fields to the Mediterranean.

Conflicting opinions were given the committee on the advisability of the sale of the tankers which, it was disclosed, has been the subject of discussion at at least one session of Mr. Truman's Cabinet. The sale was opposed by the Maritime Commision, but favored by Secretary of Defense James Forrestal.

One of the factors contributing to the committee's decision was testimony from Undersecretary of Navy W. John Kenney that a shortage of oil tankers will result in serious deficiencies in heating oil on the East Coast this winter. However, he did not think there were enough suitable tankers available to transport the oil from the Saudi Arabian fields to the United States and favored construction of the pipeline.

Question has also been raised before the committee whether there is legal authority to dispose of the tankers to foreign interests without first offering them to American buyers.

# APMA Scientific Award Won by Medical Association

The 1947 scientific award of the American Pharmaceutical Manufacturers' Association will be made to the American Medical Association in "recognition of its fundamental contributions to public health in the field of medical research." The award ceremony will be held at the Waldorf-Astoria hotel, New York, on December 16. The program will include an address on medical research and a series of papers on basic progress in the research of drug therapy.

The award committee has the following membership:—Dr. David P. Barr, professor of medicine, medical school, Cornell University; Dr. Anton J. Carlson, emeritus professor of physiology, medical school, University of Chicago; Dr. George R. Cowgill, professor of nutrition, Yale University; Dr. Windsor C. Cutting, professor of therapeutics, medical school, Stanford University; Dr. Carl A. Dragstedt, professor of pharmacology, medical school, Northwestern University; Dr. Rollo E. Dyer, director, National Institute of Health; Dr. Everett I. Evans, professor of surgery, Medical College of Virginia; Dr. Herbert S. Gasser, director, The Rockefeller Institute for Medical Research; Dr. H. Corwin Hinshaw, professor of medicine, Mayo Foundation.

Also, Dr. Charles A. Janeway, professor of pedriatrics, medical school, Harvard University; Dr. Chester S. Keefer, professor of medicine, medical school, Boston University; Dr. Howard B. Lewis, professor of physiological chemistry and director of College of Pharmacy, University of Michigan; Dr. Perrin H. Long, professor of preventive medicine, medical school, Johns Hopkins University; Dr. Isaac Starr, dean, medical school, University of Pennsylvania; Dr. H. B. van Dyke, professor of pharmacology, College of Physicians and Surgeons, Columbia University, and Dr. John B. Youmans, dean, medical school, University of Illinois.

# Pennsalt Special Products Division Supervised by Lee

Pennsylvania Salt Manufacturing Company, Philadelphia, has added William M. Lee to the staff of its research and development department and has appointed him supervisor of the department's special products division.

Since 1942 Mr. Lee has been chief of the chemicals and plastics section of the office of the Quartermaster General of the War Department. In this position he planned, coordinated and expedited research and development work on such products as insecticides, germicides, detergents, protective coatings, flameproofings, special fuels and molded plastics.

Previous to joining the War Department, he had been research director of the Arabol Manufacturing Company, New York, where he specialized in industrial adhesives. Formerly he had been connected with the Thomas M. Royal Papers Company, and the Sharples Chemicals, Inc. both of Philadelphia.

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# NFA Fall Meeting Program Announced

The National Fertilizer Association has announced the program for its annual fall meeting, to be held at the Atlanta-Biltmore hotel, Atlanta, Ga., on November 10-12. The first day of the convention will be taken up with meetings of the board of directors and the various committees.

On the morning of November 11, the first general session will be opened with an address by Weller Noble, chairman of the board. He will be followed by Donald Comer, president of Avondale Mills, Birmingham, Ala., and the session will be closed with a panel discussion presented by the association's plant food research committee.

Four addresses will be presented on November 12. After a talk by Maurice H. Lockwood, president of the association, Omer S. Kelley, of the agricultural research administration, Colorado A. and M. College, will speak on the unique fertilizer work in irrigated areas. W. B. Andrews, of the Mississippi State College will relate experiences in the use of anhydrous ammonia as a fertilizer, and L. R. Neel, editor of "Southern Agriculturist," will also speak.

# Smith Named Executive Vice-President of H.B. Davis

A. L. Smith, general manager of the Wardway Paint Works of the Montgomery-Ward Company, has been named executive vice-president and a director of the H. B. Davis Company, Baltimore. Mr. Smith was with Montgomery-Ward for eleven years, following a prior association with the Sherwin-Williams Company. He joins Davis company on November 15.

# Fair Trade Council Meets November 12-13

A program for the strengthening of fair trade will be drafted at the annual meeting of the American Fair Trade Council at the Waldorf-Astoria hotel, New York, on November 12 and 13. The program will be aired thoroughly during an open forum at an afternoon session on November 13 when members of the board of directors will sit as a panel of experts and answer questions from the floor.

# Cosmetic Chemists Plan Program for Dec. 3 Meeting

The Society of Cosmetic Chemists will meet at the Biltmore hotel, New York, on December 3. Scheduled speakers and their subjects are:—Dr. Raymond E. Kirk, head of the department of chemistry, Polytechnic Institute of Brooklyn, "The Chemist as a Professional Man"; Dr. L. C. Barail, United States Testing Company, "Bacteriological and Dermatological Testing of Cosmetics"; Dr. E. C. McDonough, Evans Chemetics, Inc., "Development of Machineless Permanent Waving."

Also, Edward Sagarin, "An Inquiry Into the Origin of the Literature on Perfumery"; Dr. S. H. Newburger, Food and Drug Administration, "The Analysis of Mixtures of Hydrocarbons, Beeswax and Spermacetti," and Henry Speel, Alrose Chemical Company, "Surface Active Agents in Cosmetics."

# Bemis Bag to Build New Plant Facilities

Judson Bemis, manager of Bemis Bro. Bag Company, Minneapolis, has announced the purchase of a fifteen acre site in Hopkins, a suburb of Minneapolis, for the construction of additional plant facilities. The company does not contemplate any changes in its business activities as a result of the new productive capacity. Building plans are not yet completed. The new plant will be managed by W. J. Geimer.

# Thomas Heads Westvaco Technical Personnel

Westvaco Chlorine Products Corporation, New York, has named Dr. Joseph S. Thomas technical personnel manager. Dr. Thomas joined the organization in 1935 as a research chemist and has been director of its Carteret division since 1938. He was formerly an instructor at Middlebury College.

# Hughes Heads Red Hand

Robert P. Hughes has been elected president of Red Hand Compositions Company, manufacturer of marine paints, New York. He succeeds Harry Firman, who was made chairman of the board. Mr. Hughes was formerly associated with Spencer Trask & Co.

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# Philippine Copra Quota Increased

*OPD Washington Bureau*

An additional 112,000 metric tons (oil equivalent) of copra from the Philippine Islands was allocated last week to seven areas and the special reserve pool by the International Emergency Food Council. The new supply was added to the 1947 program and increases this year's total of copra from the Philippines to 754,100 tons.

The greater portion of the increased allocation went to the United States. An additional 69,300 tons was added to this country's share of the Philippine coconut oil, making the total for the year 309,300 tons, against the previous allocation of 240,000 tons.

Other areas sharing in the increase are:—Belgium, 3,000 tons, raising its total to 9,100 tons; bi-zonal area of Germany, 11,200 tons to a total of 20,300 tons; Mexico, 2,400 tons to a total of 12,000 tons; Pacific Allied command, 7,500 tons to a total of 22,500 tons; Colon, 3,000 tons to a total of 28,500 tons; Sweden, 1,000 tons to a total of 5,800 tons. The special reserve was increased 14,600 tons to a total of 25,000 tons.

The IEFC said that due to the physical limitations of handling and shipping facilities and the short period remaining in the year, it is probable that the entire amount of these schedulings can not be translated into arrivals in recipient countries before early 1948.

# Burton Named Director Of Packaging Institute

Dr. Laurence V. Burton, editor of "Food Industries" for seventeen years, has been appointed executive director of the Packaging Institute. He succeeds Albin Dearing, who resigned to enter other business.

# Hawley Awarded Gorgas Medal for VA Work

The 1947 Gorgas Medal, sponsored annually by Wyeth, Inc., pharmaceutical manufacturer, Philadelphia, has been awarded to Maj. Gen. Paul R. Hawley, chief medical director of the Veterans Administration, for his "outstanding achievement in reorganizing and directing the administration's medical division." The medal will be presented to Gen. Hawley by the Association of Military surgeons at its meeting in Boston on November 15. Frank F. Law, Wyeth vice-president, will make the presentation.

# Dimethyl Phthalate Spray Offered as Surplus

Three lots, aggregating 68,337 gallons, of dimethyl phthalate insect repellent are offered for sale at $1 per gallon through the Seattle regional office of the War Assets Administration. One lot (SEO- 41-42784) comprises 66,867 gallons of the spray type. The other lots of 1,000 gallons and 470 gallons are of the type designed for textile treatment. These lots will not be broken.

## *Market Reports*

**Glycerophosphates** prices were reduced last Friday afternoon to the following bases:—Calcium, $1.80 per pound; potassium, $2.20; sodium, crystals, $1.80; powder, $1.85; sodium solution, 75 percent, $1.06; 50 percent, 82c.

**Silver bullion** rose to 74½c. per ounce last Friday and the upward trend in silver nitrate and cyanide prices continued. Quotations on nitrate became as follows:—2,500 ounces, 47¼c. per ounce; 1,000 ounces, 48½c.; 500 ounces, 48¾c., and single 250-ounce lots, 49c. Silver cyanide in 2,500-ounce lots reached 61⅜c. per ounce; 1,000 ounces, 61⅝c.; 500 ounces, 61⅞c., and single 250-ounce lots, 62⅜c.

## *Foreign Market Lists*

List of foreign outlets for chemicals and related materials and consumer goods recently compiled by the Commercial Intelligence Division of the United States Department of Commerce include the following, which are available from the division at $1 for a list for any one country:—

Chemical importers, dealers, Angola; Brazil; British Malaya; Indochina; Union of South Africa.

Laundry and dry cleaning industry, Netherlands.

Medicinal and toilet-preparation manufacturer, Nicaragua; Union of South Africa; Venezuela.

Oils (animal, fish, vegetable) importers, dealers, producers, refiners, exporters, Netherlands Indies; Philippine Islands.

Paint and varnish manufacturers, Philippine Islands.

Petroleum industry, Philippine Islands.

Soap manufacturers, Egypt and Cyprus; Palestine; Union of South Africa.

## Nitrogen Distribution Methods Revision Seen

*OPD Washington Bureau*

The possibility that changes may be necessary in the overall pattern of world-wide distribution of fertilizer nitrogen this year was indicated in the report of the secretary-general of the International Emergency Food Council at the fifth meeting of the Council held last week.

The Secretary-General disclosed that the fertilizer committee of the council is now making a survey among both claimant nations and countries exporting nitrogen as to their exact position on all nitrogen allocations as of September 30, in an effort to stimulate the movement of all available nitrogen to the areas where it is needed most urgently in time for use in 1948.

The survey was made necessary by a worsening of the world situation within the past several months, due to two causes:—(1) delays in shipments of ammonium nitrate occasioned by the closing down of American ports to its movement this year because of the two explosions last spring and summer, and (2) delays in taking up all nitrogen already allocated because of the difficulty some countries are experiencing in obtaining enough of the necessary currency.

The secretary-general reported to the council that the world shortage of fertilizer

—*Continued on page 60*

## Passonno Brothers Form Paint Manufacturing Firm

Opening of a factory in Watervliet, N. Y., for the manufacture of a complete line of paints, varnishes, enamels and stains was announced last week by the newly organized Passonno Corporation. Alfred J. Passonno is president of the new firm; Charles J. Passonno is vice-president and treasurer; Ralph F. Passonno is vice-president and secretary, and Arthur Anderson is factory superintendent.

The Passonno brothers are sons of Fred J. Passonno, formerly chairman of the board of the Passonno-Hutcheon Company, Cleveland, and the William Connors Paint Manufacturing Company, Troy, N. Y. The Passonnos sold their interests in these corporations in June, 1946, and have had no affiliation with them since October, 1946.

A. J. Passonno was associated with Passonno-Hutcheon for seventeen years when he resigned his position as a director and general sales manager of that company and vice-president of the Connors company to enter the Army in 1942. During his four years service he attained the rank of Major and was chief of the protective coatings section of the materials branch of the Engineer Board at Fort Belvoir, Va. As a member of a technical intelligence unit, he investigated the aspects of tropicalization and protective coatings in the Pacific theatre, Australia and Japan.

Charles and Ralph Passonno formerly were sales representatives of Passonno-Hutcheon and also were, respectively, vice-president and superintendent of the Connors company. Mr. Anderson was a member of the laboratory staff of the Titanium Pigments Corporation for twelve years prior to entering the Army. Following discharge, he returned to that post and held it until he resigned to join the new firm.

## *Foreign Sales Leads*

Anyone interested in supplying the following inquiries with goods or information can get the full address of the inquirer by communicating—not by telephone, please—with the OPD office:—

Caustic Soda, Salvador, Brazil (AQ-5).
Chemicals, Marseille, France (AQ-1); Milano, Italy (AQ-2); Sao Paulo, Brazil (AQ-4); Paris, France (AQ-11); Yokohama, Japan (AQ-12).
Cosmetics, Milano, Italy (AQ-2).
Drugs, Milano, Italy (AQ-2).
Dry ice manufacturing plant, Quito, Ecuador (AQ-8).
Dyes, Milano, Italy (AQ-2); Sao Paulo, Brazil (AQ-4).
Enamel, Prato, Italy (AQ-10).
Epsom salts, Salvador, Brazil (AQ-5).
Fats and oils, Milano, Italy (AQ-2).
Lubricants, Milano, Italy (AQ-2).
Milk powder, Milano, Italy (AQ-2).
Oil, cottonseed, oleo, peanut, soybean, Voorburg, Netherlands (AQ-9).
Oil drums, new or used, Recife, Brazil (AQ-7).
Paint, Milano, Italy (AQ-2); Campina Grande, Brazil (AQ-6); Prato, Italy (AQ-10).
Paraffin, Milano, Italy (AQ-2).
Petroleum products, Yokohama, Japan (AQ-12).
Pharmaceutical products, Milano, Italy (AQ-2); Paris, France (AQ-11); Yokohama, Japan (AQ-12).
Potash, Salvador, Brazil (AQ-5).
Rosin, Milano, Italy (AQ-2); Salvador, Brazil (AQ-3); (AQ-5); Yokohama, Japan (AQ-12).
Sodium sulphide, Salvador, Brazil (AQ-5).
Stearin, Voorburg, Netherlands (AQ-9).
Turpentine, Salvador, Brazil (AQ-5).
Varnish, Prato, Italy (AQ-10).

# *P.A.'s-Eye View of Business*

*Composite view November 2, of purchasing agents composing the Business Survey Committee of the National Association of Purchasing Agents*

Sales, production and shipments continued their strong upward trend in October, with no sign of letdown for the immediate future: only 3 percent of the reports show lower business—the smallest number so reporting this year—while the greatest number, 43 percent, report increased business, continuing the upswing noted in August and September. Many more indicate backlog of orders building up and forecast good volume well over the year end.

Despite this optimistic trend, buyers are exercising extreme caution, for aid to Europe can affect the domestic use of critical materials such as steel, the present bottleneck in durable goods production. The diversion to Europe of steel now allotted to domestic durable goods would have an impact on demand for other materials going into such assemblies. Purchasing agents will watch closely the decisions of the special session of Congress. Industrial building expansion and home building are reported on the increase in all areas.

### Commodity Prices

The trend of prices is slightly up, but the indications are for leveling off. Most of the increases are reported due to freight boosts passed on to the buyer. Competition continues to grow. Believing that part of the answer to lower prices lies in increased worker productivity, purchasing agents gave it particular attention this month. While there is no yardstick to measure the degree of increased worker production, 53 percent of those reporting indicate better, compared to 10 percent showing lower. Where wage incentive systems are used, productivity is on the increase.

### Specific Commodity Changes

Many commodities are reported higher this month, the causes falling into three general categories:—late adjustments on steel products; freight rate increase; effect of Government buying on sensitive commodities. The increases include abrasive materials, industrial alcohol, alkalies, bolts, castings, cement, heavy chemicals, cocoa bean, corn products, cotton goods, dyestuffs, forgings, fuel oil, grains, leather, linseed oil, some lumber, menthol, nitrate ammonia, oxygen, plywood, rosins, rubber, soaps and soybean oil. Aluminum is on longer delivery. Boxes are tight, as are small chain and some plastics.

On the down-side are fruit, quicksilver, spices, tires and fabricated parts. Glass containers are easier—copper products short delivery.

### Inventories

With production at new highs, industrial inventories show a slight tendency to increase. The majority, however, show a leveling off after months of reducing and balancing effort. There is no evidence of stock-piling to beat the possible imposition of a priority or allotment system. As a whole, inventories appear to be at near-minimum operating requirements. The exceptions continue a reducing policy. A few of these report difficulty in disposing of surplus at break-even prices.

### Buying Policy

The predominant bracket is thirty-to-ninety-day commitments, where goods can be procured within these limits. However, some commodities which have been available in thirty to sixty days are extended into ninety days and over. The influx of new business is resulting in a little longer-range view of commitments. Some revival of escalators is noted. Others have abandoned them. Regardless of the longer coverage reported, the general cautious policy of buying for definite production schedules continues.

### Employment

The trend reported in September appeared to taper off. The October reports show a resumption of the upward climb, with 29 percent showing increased employment and 62 percent maintaining previously reported high pay rolls. Technical, skilled and unskilled labor, both male and female, is reported short. As an over-all picture, fewer strikes, better labor-management relations are noted. Comment is "there is a job for anyone who wants to work."

### Canada

General business remains about the same as last month—on a high plane. Prices are up sharply in some lines, following price decontrols. Inventories are static, with some trend to reduce. Employment is increasing. Buying policy remains generally on three-months' coverage.

# *Washington Talks It Over*

## *The OPD Observer*

When the sixteen countries of western Europe sat down in conference at Paris last September to figure out their needs for rehabilitation, was the report that evolved from this conference a statement of their minimum needs or something that they hoped to get? This has become one of the biggest questions today in connection with the Marshall plan, or "approach," as it is now being referred to in official circles.

No one on this side of the Atlantic knows the answer, but that does not stop speculation and it is pretty generally opined that there is a lot of "water" in the report that should be squeezed out before Congress gives its approval to this country's part in the program. How this country is to get figures that it can rely upon as impartial and accurate on the minimum needs of Europe for materials is, however, something else again.

But in the case of fertilizers, it may be that IEFC has provided officials of this government working on the Marshall plan problem with what might be termed a "benchmark" of the needs of western Europe for nitrogen. The stated requirements of these same sixteen countries in their reports to IEFC may well be inflated also, but even so they don't total up to what can be calculated from the report of the Paris conference on the requirements of nitrogen for fertilizer use.

According to the report of the secretary-general of IEFC, these sixteen countries say that their requirements for nitrogen for the 1947-48 fertilizer year totals 1,124,400 metric tons. The report of the Paris conference did not include a statement of total requirements, but did say that they would have to import 290,000 metric tons which "is of the order of 20 percent of total requirement." This would mean then a total requirement of 1,450,000 metric tons. It may be that there are a lot of imponderables in the situation which do not appear on the surface, but until more basic information is got on how the Paris conference arrived at the 290,000 metric ton import requirement, the figure remains open to criticism.

### Tin Outlook Not Encouraging

The continued shortage of metal containers has stirred up the Office of Materials Distribution to explore the possibilities of further conservation efforts on the part of industry. All the big users are being called in for informal discussions from time to time, including the petroleum and beer industries.

The meetings are being carried on quietly because the department does not want to strike alarm in any way, but it is anxious nevertheless to explore what, if anything, can be done to reduce the amount of tin now being used in containers. Orders M-81 on containers and M-43 on tin are still effective, but the only restrictions currently in operation have to do with sizes of containers and not with permissible coatings.

What, if any, effect the recent agreement made by Bolivia to supply Argentina with tin next year might have on the future supplies of tin in the United States is not known. Heretofore the United States has taken all Bolivia's tin ore production for smeltering at the RFC Texas City plant.

### Drug Law Emendment Doubtful

The special session of congress called by President Truman is going to be open to consideration of any legislation the leader-

—*Continued on page 34*

## American Key Products Forms Specialties Dept.

American Key Products, Inc., distributor of domestic and imported starches, New York, has organized a specialties department to handle the sale of dextrines, glues, gelatins, natural gums, casein and related products. John A. Lowander, a former vice-president of Stein, Hall & Co., New York, with whom he was associated for twenty-four years, will manager the new division.

## CCDA Views Aspects Of Technical Service

Various aspects of technical service, generally and as specifically applied to the chemical industry, were explored by speakers at a meeting of the Commercial Chemical Development Association in the Hollenden hotel, Cleveland, on October 28. More than eighty members were present at the session which was presided over by Dr. L. B. Hitchcock, vice-president of the Quaker Oats Company, and president of the association.

Dr. James H. Boyd presented a case history covering the solution of problems in handling and shipping 1,3-butadiene when it emerged from the laboratory in 1940 to become a commercial chemical of vast war needs. He said that compression of the years usually devoted to such development into a matter of months required intensive study and accurate coordination of the conflicting physical properties and values at that time attributed to butadiene to avoid regulatory restrictions that would have seriously hampered its use.

Because of different industry terminology, he said, much confused correspondence ensued between the traffic departments of chemical, oil and rubber companies before it was possible to classify the hazards of butadiene transporation by properties, and to obtain permission to handle the material in much the same manner as liquid petroleum gases.

Dr. Boyd stated that because the material was inflammable and explosive in nature, its tendency to form butadiene peroxide in reaction to oxygen had to be prevented, together with a tendency toward polymerization. He said that the addition of tertiary butyl catechol as an inhibitor in 200 parts per 1,000,000 proportion was found effective and it was then legally possible to ship under LPG requirements in pressure tank-cars of 104A and 105A ICC specifications. He added that insulated cars were found to be more economical.

Still to be solved, Dr. Boyd said, were commercial shipping and weighing problems caused by thermal expansion of the liquid to prevent valve leakage, shell rupture or short weight. Filling density tables had to be recalculated and changes of car weights due to repainting, truck replacements or exterior moisture had to be considered, he declared.

Dr. Boyd said that for these reasons gauging was found far more accurate than scale-weighing. Throughout, he said, the operation indicated the necessity for strict attention to normally unimportant technical details.

Dr. Boyd declared that greater time allocated to laboratory study of the properties of many highly unsaturated, reactive chemical materials, and to how they are affected by transportation would accelerate their commercial development as bulk chemicals.

### Following a New Product

M. S. Moulton, of the B. F. Goodrich Chemical Company, said he considered the assigning of a technical service man to the job of "wet nursing" a new product during its infancy the most important function of a technical service staff. If the technical service man has no geographical restrictions, he said, he is able to coordinate information that he receives first hand from customers in all parts of the country.

"Whenever desired, he can go back to the development laboratory, pilot plant, or even to the research laboratory to suggest modifications," Mr. Moulton said. "If he thinks it advisable, he can put on a laboratory coat and participate actively in the further development of the new material. The service man who is following a new product becomes an authority on it and is therefore the best possible teacher of its virtues and limitations."

Mr. Moulton pointed out that the technical service man is the logical one to prepare literature and to give introductory

—*Continued on page 40*

## Menhaden Fish Products To Expand Production

Menhaden Fish Products Company, Baltimore, Md., has started construction of a two-story addition to its plant which is expected to be in operation during the early part of next year. The company has indicated that the additional facilities will practically double its capacity for production of cold pressing fish oils.

## Hopkinson Heads Atlantic Coast Fisheries Co.

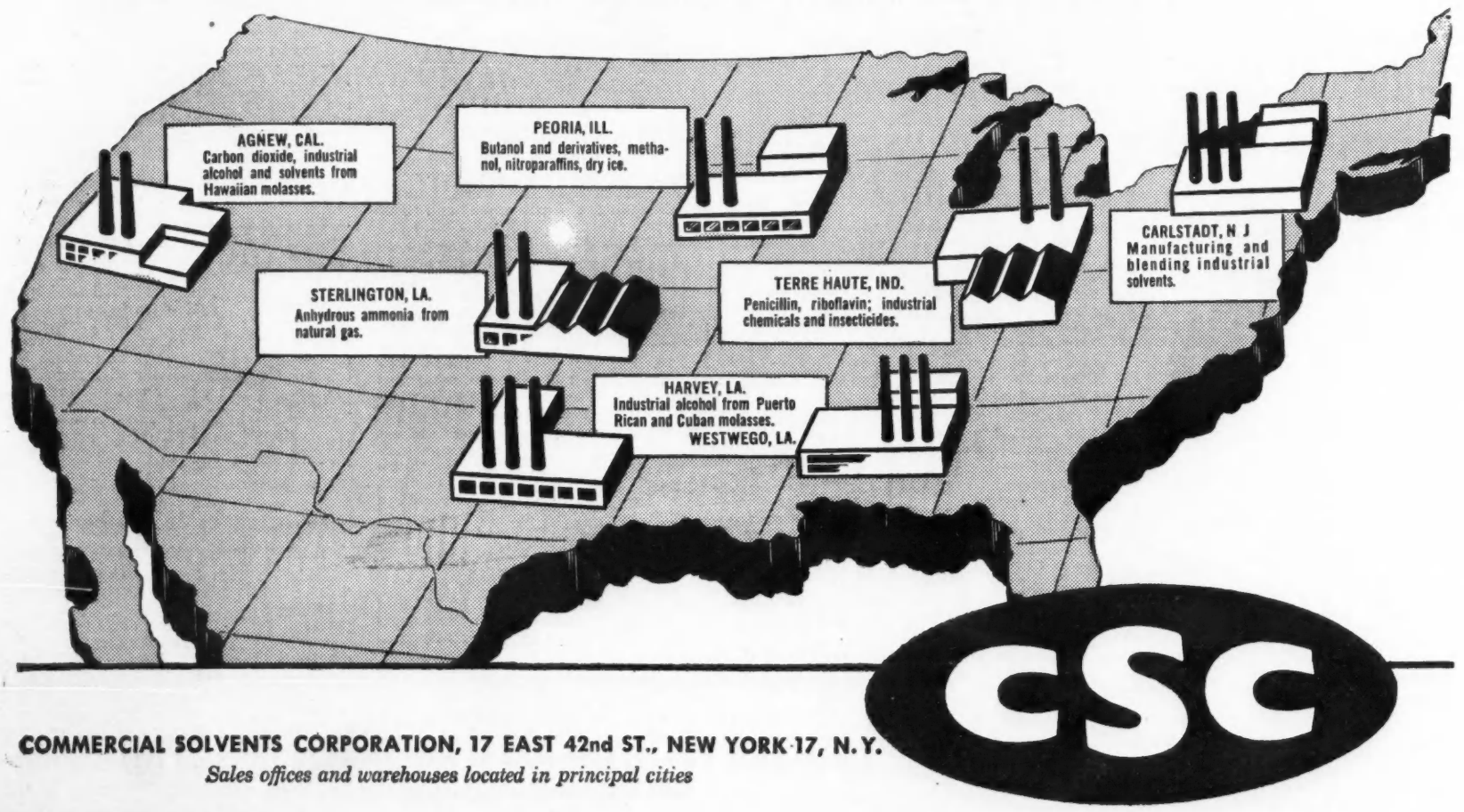
The Atlantic Coast Fisheries Company has elected Lawrence T. Hopkinson as president, to succeed Edward H. Cooley. Roger W. Babson has been named to succeed F. Meredith Blagden as chairman of the company's board of directors.

# Why do we call it the "*NEWS*"?

**Because the news comes from the four points of the compass. The word "news" was coined from the initial letters of North, East, West and South.**

# Why are CSC plants spaced widely over the map?

**To serve you better by working close to abundant raw materials and convenient shipping facilities. Corn from the Middle West, natural gas from the South, and molasses shipped through nearby ports—are all transformed into more than 200 fine chemicals for the manufacturer, the doctor, the farmer, and the motorist.**


AGNEW, CAL.
Carbon dioxide, industrial alcohol and solvents from Hawaiian molasses.
PEORIA, ILL.
Butanol and derivatives, methanol, nitroparaffins, dry ice.
STERLINGTON, LA.
Anhydrous ammonia from natural gas.
TERRE HAUTE, IND.
Penicillin, riboflavin; industrial chemicals and insecticides.
CARLSTADT, N J
Manufacturing and blending industrial solvents.
HARVEY, LA.
Industrial alcohol from Puerto Rican and Cuban molasses.
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# Industrial Application Of Chemicals

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### Allyl Diglycolcarbonate

**(Allymer CR39, Diethyleneglycol Bisallylcarbonate)**

**Ceramic**—Solvent-plasticizer in compositions used as coatings for protecting and decorating ceramic products.

**Chemical**—Suggested basis for organic syntheses.

**Electrical**—Solvent-plasticizer in insulating compositions used for covering wire and in making electrical machinery and equipment.

**Glass**—Solvent-plasticizer in compositions used in the manufacture of nonscatterable glass and as coatings for protecting and decorating glassware.

**Leather**—Solvent-plasticizer in compositions used in the manufacture of artificial leathers and as coatings for protecting and decorating leathers and leather goods.

**Metal-Fabricating**—Solvent-plasticizer in coating compositions used for protecting and decorating metallic articles.

**Miscellaneous**—Solvent-plasticizer in coating compositions used for protecting and decorating articles of various sorts.

**Paint, Varnish, and Lacquer**—Solvent-plasticizer in paints, varnishes, lacquers, enamels and dopes.

**Paper**—Solvent-plasticizer in compositions used in the manufacture of coated papers and as protective and decorative coatings for articles made of paper and pulp.

**Plastics**—Solvent-plasticizer in making laminated-fiber and molded products, and plastic materials.

**Resins**—Reactant in making resins of the thermosetting allyl type.

**Rubber**—Solvent-plasticizer in compositions used as coatings for decorating and protecting rubber goods.

**Stone**—Solvent-plasticizer in compositions used as coatings for decorating and protecting artificial and natural stone.

**Textile**—Solvent-plasticizer in compositions used in the manufacture of coated fabrics.

**Wood**—Solvent-plasticizer in compositions used as protective and decorating coatings on woodwork, or for many filling and repairing purposes on wood.

### Alphabetadichloropropylbenzyl Ketone

**Resins**—Starting point (Brit. 542972) in making resins by heating with an aqueous mixture of urea and an aliphatic aldehyde or a compound engendering an aldehyde.

### Ammonium Benzoate

**Adhesives**—Preservative for glues, pastes, and other adhesives.

**Food**—Preservative for food products.

**Pharmaceutical** — In compounding and dispensing practice (reported useful as stimulant diuretic and in treating rheumatism and fermentative cystitis).

**Rubber**—Preservative for rubber.

### Barium Fluoride

*(Additional uses, supplementary to those in the book, Uses and Applications of Chemicals and Related Materials.)*

**Ceramic**—Flux or opacifier in ceramic batches and enamels.

**Electrical**—Insulating agent for electrodes used in electronic cathode ray tubes.

**Glass**—Flux or opacifier in glass batches.

**Metallurgical**—Flux in making high-copper alloys.
Ingredient of heat-treating salts.

### Benzyl Trifluoride

**Chemical**—New organic compound which is a water-white liquid of aromatic odor, completely miscible with most common solvents; its thermal stability is excellent; under nitration or chlorination the $CF_3$ group is strongly meta directing.
Suggested for use in making dielectrics, insecticides, and medicinals, and in other syntheses.

**Dye**—Suggested for use in making dyestuffs.

### Cottonseed Oil Fatty Acids, Distilled High Titer

**Lubricant**—Base for soap greases.

**Soap**—Base for soaps.

# *ACCCE Discusses University Research*

The ethical, economic, and other aspects of the practicing of chemical research, with or without financial support from industry, were discussed at a dinner meeting of the Association of Consulting Chemists and Chemical Engineers in New York, October 28. The major premise of consultants, as presented by President Nicholas M. Molnar, is that research activities of educational institutions should be restricted to fundamental areas and that patents resulting therefrom should be public property. A difficulty in the practical application of this premise is the defining of basic or fundamental areas.

Nicholas M. Molnar

The formal discussion was opened by Dr. Archie M. Palmer, of the National Research Council, which he took pains to explain is not a governmental agency.

Dr. Palmer reported his investigation of the handling of research in universities and declared it is evident there is no uniformity in current practices. He said there is a wide diversity among the various universities and frequently even at the same institution. Nevertheless, he added, there is a general disposition to observe certain underlying principles.

"Fundamentally, research is conducted on the university campus as an integral part of the educational program with a view to expanding the frontiers of human knowledge, encouraging and stimulating the spirit of inquiry and contributing toward the training of scientific personnel," according to Dr. Palmer. "It is concerned with the discovery and dissemination of new ideas so essential to scientific and technological progress and to cultural and social development.

"Administrators and scientists concerned with the formulation and conduct of university research programs recognize many of

—*Continued on page 43*

## Parenteral Drug Ass'n To Meet November 7

The Parenteral Drug Association will hold a dinner meeting at the New Yorker hotel, New York, on November 7. Speakers will be Francis Chilson, drug plant consultant, who will discuss "Solving Parenteral Production Problems," and Jerome B. Trichter, director of the bureau of food and drugs in the New York City Department of Health, whose topic will be "Common Faults in Drug Plants."

## *Lead Arsenate Placed Under General License*

*OPD Washington Bureau*

Export controls over lead arsenate have been lifted by the Office of International Trade and this material may now be shipped from the United States under general license to Group "K" destinations. The Office also announced that bone ash, dust and meal in the group of phosphatic fertilizer materials under control have now been placed under general license, together with microcrystalline mineral wax. Orange and white ceresin mineral wax and hardening mineral wax which carry the same schedule "B" number as microcrystalline mineral wax, continue on the positive list and subject to individual licenses.

## NAIDM Shapes Program For December 1-3 Meeting

Although the program for the Baltimore meeting of the National Association of Insecticide and Disinfectant Manufacturers has not yet been completed, there will be morning and afternoon sessions on December 1 and 3. A morning session will be held on December 2, with the afternoon devoted to committee meetings.

There will be a group luncheon on each of the three days and the annual cocktail party and informal dinner will be held on the evening of December 3.

Among the speakers at the sessions will be W. G. Reed, chief of the insecticide division of the Department of Agriculture; Ferdinand A. Korff, director of the food bureau of the Baltimore health department; Harry Fleisher, of the Navy Department's bureau of ships, and John Connor, the association's general counsel. In addition, there will be an insecticide clinic, a disinfectant clinic, and a wax and sanitation chemicals clinic.

## Celanese Chemical Forms Technical Service Dept.

Celanese Chemical Corporation, New York, has transferred William H. Schnabel to its New York office to be director of its new technical service department. He was formerly superintendent of the acetic acid unit at the Bishop, Tex., plant of Celanese Corporation of America.

The company has established the technical service department in order to coordinate production quality control with customer needs, to provide customers with technical knowledge in production problems, and to assist in the development of improved methods of handling the production and control of chemicals.

## CMRA Meets Dec 10

The Chemical Market Research Association will meet at the Biltmore hotel, New York, on December 10. Other meetings scheduled for the balance of the current fiscal year will be held at:—Mayflower hotel, Washington, D. C., January 22; Biltmore hotel, New York, March 11; Chicago, Ill., April 22, and Biltmore hotel, New York, June 3.

The meeting in Washington will be sponsored by the association's statistics committee and will be host to several government officials, who will address the gathering.

# Textile Chemists Study New Dyeing Operations

Recent studies and investigations of current dyeing operations and textile processing were reported at the annual convention of the American Association of Textile Chemists and Colorists held at the Congress hotel, Chicago, on October 23 to 25. The meeting was under the auspices of the organization's midwest section.

A highlight of the meeting was the awarding of the Olney Medal for outstanding achievements in textile chemistry, to Prof. Edward R. Schwarz, head of the textile division of the Massachusetts Institute of Technology. He is noted particularly for his contributions in the field of textile microscopy and textile testing.

Edward R. Schwarz

Henry F. Herrmann, of the General Dyestuff Corporation, New York, and president of the association, discussed the progress and aims of the body and said that the organization is an integral part of the industry and is entitled to the financial aid which it needs to carry on its work.

Trends in the evolution of fire-resistant textiles were discussed by Robert W. Little, of Ellicott Laboratories, who said that of the many flameproofing compounds now commercially available, the majority consist of water soluble salts or mixtures which fall into the category of temporary or transient treatments.

He said, however, that a great many flameproofing compositions have been advanced for imparting more or less permanent flame resistance to fabrics. Relatively few of these, however, have proved themselves capable of practical commercial application, according to Mr. Little.

The speaker declared that the latest process for obtaining permanent flameproofing to be adapted to commercial operations consists of a chemical modification of the cellulose molecule. The principal advantages of this type of process, he said, are that efficient flame, and glow resistance can be achieved with somewhat lower add-ons than in the case of the pigment dispersion technique and there is less effect on the physical characteristics of the fabric.

### Textile Drying Processes

In a discussion of textile drying processes Albert C. Walker, of Bell Telephone Laboratories, stated that each drying problem requires individual study and full consideration of all factors involved. He described the many types of drying methods now in use and presented a detailed report on a textile dryer developed by the Western Electric Company for drying textile insulated copper conductors wound on large drums.

Max Silverman of the Sherwin-Williams Company, discussed lacquer-in-water and water-in-lacquer emulsions for textile printing and dyeing and gave the advantages and disadvantages of each type.

H. A. Toulmin, jr., declared that the only untaxable asset left in free enterprise is the patent monopoly. The public is judging American capitalist enterprise, he said, by the contribution it makes to public welfare. He asserted that on no ground are "we in sounder position than in our research contributions when wisely regulated under patents, to insure their use in the public interest." Mr. Toulmin stated that the guarantee of protecting the expenditure for research and development work and the protection of the investment of advertising new products and the resulting good will rests solely in the patent monopoly.

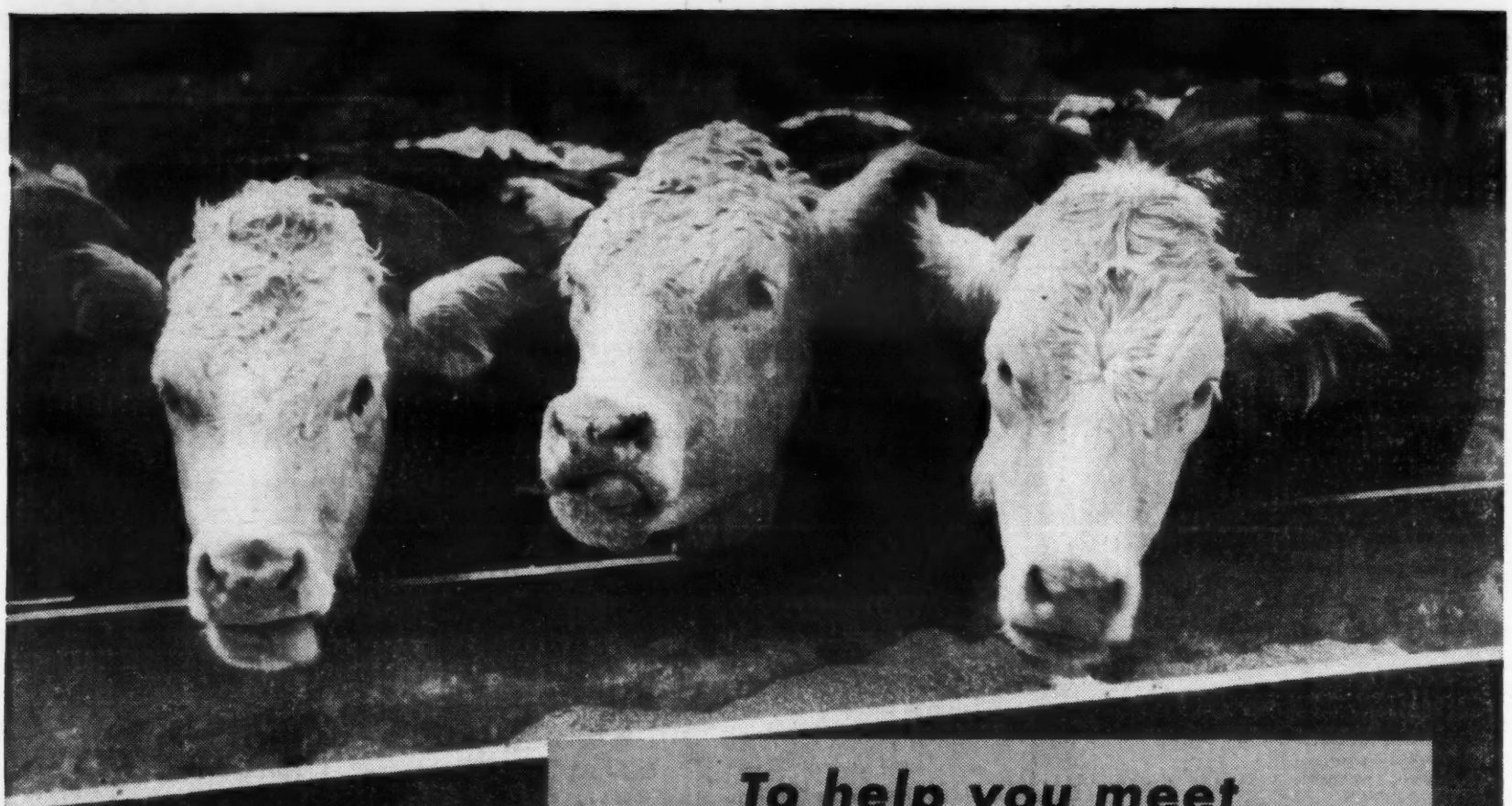
The Rhode Island section presented a paper on the "Effects of Electrical Charge in the Application of Dyestuffs." As a result of its studies the section reported the following conclusions:—

1. There is no evidence that the dyeing properties of any of the direct and acid

—*Continued on page 44*

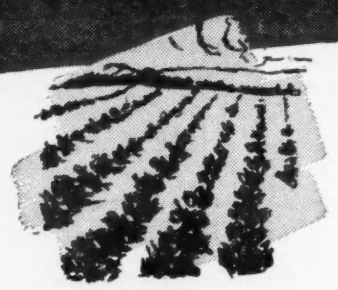
# *Association Meeting Dates*

American Fair Trade Council, Waldorf-Astoria hotel, New York, November 12-13.
American Institute of Chemical Engineers, Detroit, November 10-12.
American Pharmaceutical Manufacturers Association, Waldorf-Astoria hotel, New York, December 15-17.
Animal Health Institute, St. Paul, Minn., April 19-20.
Association of American Soap and Glycerine Producers, Waldorf-Astoria hotel, New York, January 28-29.
Chemical Industries Exposition, Grand Central Palace, New York, December 1-6.
Chemical Market Research Association, Biltmore hotel, New York, December 10.
Combined Pharmaceutical Contact Committee, Statler hotel, Washington, D. C., November 13-14.
Federation of Paint & Varnish Production Clubs, Ambassador hotel, Atlantic City, November 7-10.
Greater New York Safety Council, Pennsylvania hotel, New York, April 13-15.
National Association of Insecticide & Disinfectant Manufacturers, Lord Baltimore hotel, Baltimore, December 1-3.
National Barrel & Drum Association, Pennsylvania hotel, New York, November 3-5.
National Association of Chain Drug Stores, Palm Beach Biltmore hotel, Palm Beach, Fla., January 11-14.
National Association of Corrosion Engineers, Jefferson hotel, St. Louis, Mo., April 5-8.
National Fertilizer Association, Atlanta-Biltmore hotel, Atlanta, Ga., November 10-12.
National Paint, Varnish & Lacquer Association, Ambassador hotel, Atlantic City, November 11-14.
National Petroleum Association, Cleveland hotel, Cleveland, Ohio, April 21-23.
National Association of Purchasing Agents, Waldorf-Astoria hotel, New York, May 31-June 2.
National Confectioners Association, Waldorf-Astoria hotel, New York, June 20-25.
New York BIMS, annual dinner, January 22.
Packaging Machinery Manufacturers Institute, New York, December 3.
Parenteral Drug Association, New Yorker hotel, New York, November 7.
Society of Cosmetic Chemists, Biltmore hotel, New York, December 3.
Southern Paint and Varnish Production Club advisory committee, Biltmore hotel, Atlanta, Ga., December 6.
Society of Cosmetic Chemists, Biltmore hotel, New York, December 3.



LIVESTOCK

## *To help you meet*
## AN EVER-GROWING MARKET—
# Baker's DDT



CROPS

FORESTS

PUBLIC PLACES

Use of DDT spreads every year. More and more people depend on DDT for controlling certain insect pests of livestock, crops, gardens, homes, orchards, forests, and public places.

Farmers find spraying cattle with DDT during fly season often increases beef gains as much as ½ to 1 pound per day . . . increases milk production as much as 20 per cent. Spraying potatoes increases yields up to 25 per cent, sometimes more.

Public officials and owners of recreational facilities spray parks, ball fields, grandstands, resorts, and other public places with DDT—to help promote public health, as well as make the facilities more enjoyable.

Foresters recently sprayed 387,000 acres of forest land in the Northwest with DDT to save an estimated $60,000,000 worth of timber from Douglas fir tussock moths. In the Northeast forests DDT is being used to control the gypsy moth.

Increased use of DDT means an expanding market to those who formulate insecticides. Get set now for next year's sales.

Baker's DDT is a granular product approaching a white color, with a minimum setting point of 89° C. It is uniform in color, makes a clear solution, is free flowing and uniform in particle size. This enables the manufacturer to perfect his mix before grinding.

Baker's DDT comes in 25, 50, 100 and 200-lb. containers. We invite you to write for prices and tell us your requirements. Address *Agricultural Chemical Division,* J. T. Baker Chemical Co., Phillipsburg, N. J.

# Baker's Chemicals

C. P. ANALYZED • FINE • INDUSTRIAL

# Current Market Quotations

## Chemicals and Related Materials

### October 31, 1947

**Unless otherwise indicated, listings are first-hand quotations on large lots, f.o.b. New York. Changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4.**

**All matters under this heading fully protected by copyright.**

## A

Acacia (see Gum, arabic).
Acetaldehyde, 99%, dms., 55 gals., works..lb. .11½- .12
5 and 10 gals., works.....lb. .12 - .16
tanks, works .....lb. .09½- .10½
Acetaldol (see Aldol).
Acetamide, CP, fib. dms.....lb. .65 - .75
tech., fib. dms.....lb. .38 - .43
Acetanilide, tech., bbls., c.l.....lb. .19 - —
l.c.l. .....lb. .20 - .23
kgs. .....lb. .25 - —
USP, bbls. 2,000-lb. lots.....lb. .40 - .41
smaller lots .....lb. .41 - .42
Acetic anhydride, dms., c.l., frt. all. E. .....lb. .13½- —
l.c.l., frt. alld. E.....lb. .14½- —
tanks, frt. alld. E.....lb. .12 - —
Acetoacetanilide, bbls., dms.....lb. .57 - .60
Acetone, CP, dms., c.l., dlvd.....lb. .09 - —
l.c.l., dlvd. .....lb. .10 - —
tanks, dlvd. .....lb. .07½- —
Methyl (see M).
Acetonitrile, dms., c.l., works.....lb. .45 - —
l.c.l., works .....lb. .50 - —
smaller containers, works.....lb. .55 - .60
Acetophenetidin, USP, bbls., kgs., 1,000-lb. lots..lb. 1.00 - —
dms. .....lb. 1.05 - 1.10
Acetophenone, cns., dms.....lb. 1.50 - 1.85
Acetyl chloride, cbys., works.....lb. .60 - —
Acetyltributyl citrate, dms. .....lb. .43 - .51
smaller pkgs. .....lb. .54 - —
Acetyltriethyl citrate, dms.....lb. .36 - .44
smaller pkgs. .....lb. .47 - —
Acid, abietic, dms., c.l., works.....lb. .07½- —
Acetic, con'l or redist. 28%, bbls... 100 lbs. 3.78 - 4.08
50%, bbls. .....100 lbs. 7.56 - 7.81
70%, bbls. .....100 lbs. 9.45 - 9.70
80%, bbls. .....100 lbs. 10.80 - 11.05
glacial, synthetic, C.P., dms., works 100 lbs. 13.50 - 14.00
tanks, works .....100 lbs. 7.62 - 8.62
tech., dms., c.l., works..100 lbs. 10.07 - 11.00
USP, dms., works.....100 lbs. 11.50 - 12.00

Acetic acid price ranges above are c.l. and l.c.l. quantities. Carboys and cases are 50c. per 100 lbs. higher.

Acetic anhydride (see Acetic anhydride above).
Acetylsalicylic, USP, special, bbls., makers, primary distrib., point of ship't, 100-lb. lots..lb. .50 - —
smaller lots.....lb. .51 - .64
standard, fine, cryst., gran. (30-40 mesh), powd. (80 mesh), bbls., same basis..lb. .46 - .59

Freight equalized, shipment identical quantity over standard routes, from N. Y., Phila., Midland, Mich., Chicago and St. Louis.

Aminoacetic, NF, bbls., frt. adjusted. .....lb. 1.50 - 1.75
Anthranilic, resub., bbls.....lb. 2.00 - 2.30
tech., bbls.....lb. 1.00 - 1.35
Arsenous, tech. (see Arsenic, white).
USP, powd., dms., kgs.....lb. .20 - .22
Ascorbic, USP, dms., 500-kilo lots .. .....kilo. 24.50 - —
25-50 kilo lots.....kilo. 25.00 - —
10-kilo lots.....kilo. 25.35 - —
5-kilo lots.....kilo. 25.70 - —
bots., kilo lots.....kilo. 26.41 - —
500 grams.....kilo. 27.47 - —
Battery, cbys., c.l., E. works. 100 lbs. 1.60 - 1.75
l.c.l., E. works.....100 lbs. 2.05 - 2.75
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. up.....lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. up.....lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .58 - .59
Betaoxynaphthoic, bbls., works.....lb. 1.05 - —
Boric, tech., 99.5%, cryst., powd., paper bgs., c.l., frt. split..ton. 104.00 - —
ton lots, ex whse. N. Y. or Chi..ton. 122.50 - —
less ton lots, same basis..ton. 127.50 - —
bbls., c.l., frt. split.....ton. 124.00 - —
ton lots, ex whse., N. Y. or Chi..ton. 142.50 - —
less car lots, same basis..ton. 147.50 - —
gran., bulk.....ton. 95.50 - —
paper bgs., c.l., frt. split..ton. 99.00 - —
ton lots, ex whse., N. Y. or Chi..ton. 117.50 - —
less ton lots, same basis..ton. 122.50 - —
bbls., c.l., frt. split.....ton. 119.00 - —
ton lots, ex whse., N. Y. or Chi..ton. 137.50 - —
less ton lots, same basis..ton. 142.50 - —

USP 82% per ton higher.

Broenner's, bbls.....lb. 1.22 - —
Butyric, 99%, dms., c.l., works..lb. .32 - —
l.c.l., works.....lb. .35 - —
Cacodylic, bots.....lb. 12.00 - 16.50
Camphoric, natural, dms.....lb. 8.00 - 8.50
synth., dms.....lb. 6.00 - 6.50
Capric, tech., rct. dms.....lb. .50 Nom.
Caprylic, 99%, dms.....lb. .50 Nom.
Castor oil, split, dms.....lb. .36¾- .37½
Chlorosulphonic, dms., c.l., works.lb. .03 - —
l.c.l., works.....lb. .03½- .04½
tanks, works.....lb. .02½- —
Chromic, 99½%-99¾%, dms., c.l...lb. .21¾- —
l.c.l. .....lb. .22¼- .22¾
Cinnamic, refrd., bots.....lb. 3.00 - 4.00
Citric, anhyd., gran., fine gran., bbls. .....lb. .25½- —
dms., c.l. .....lb. .24 - —
10,000 lbs., 1 ship't.....lb. .24½- —
kgs. .....lb. .25½- —
Anhydrous citric acid powder, ½c. per lb. higher.
USP, cryst., bbls., c.l.....lb. .25 - —
10,000 lbs., 1 ship't.....lb. .25½- —
smaller lots.....lb. .26 - —
kgs. .....lb. .26½- —
gran., fine gran., bbls., c.l.....lb. .22 - —
10,000 lbs., 1 ship't.....lb. .22½- —
smaller lots.....lb. .23 - —
kgs. .....lb. .23½- —
USP citric acid powder ½c. per lb. higher.
Cleve's, bbls.....lb. .65 - 1.00
Coconut oil, dist.; dms.....lb. .28½- .29
Corn oil, s.d., dms.....lb. .21¼- .21¾
Cottonseed, dist., dms.....lb. .21¼- .21¾
Acid, cresylic, dom., coaltar, high-boil 50% (210°-215°), low boil 50% (204°-206°), and special blends, dms., c.l., works, frt. equald. .....gal. 1.26 - —
l.c.l., same basis.....gal. 1.29 - —
tanks, same basis.....gal. 1.20 - —
Petroleum, heavy grade, 220° to 240° C. dms., c.l., dlvd. E. Rockies..gal. .86 - —
l.c.l., same basis.....gal. 1.00 - —
tanks, same basis.....gal. .77½- —
Calif. ref'y.....gal. .02 - —
235°-290° C. dms., c.l., dlvd. E. Rockies..gal. .79 - —
l.c.l., same basis.....gal. 1.00 - —
tanks, same basis.....gal. .70½- —
Calif. ref'y.....gal. .57½- —
Crotonic, bbls., Canadian, works..lb. .50 - —
Dichlorophenoxyacetic, fib. dms., c.l., works.....lb. .80 - —
l.c.l., works.....lb. .85 - .95
Diethylbarbituric (see Barbital)
F (see Acid, monosulphonic)
Formic, 85%, cbys., c.l., works....lb. .12 - —
l.c.l., works .....lb. .12½- .14½
90%, cbys., c.l., works.....lb. .12½- —
l.c.l., works .....lb. .13 - .14½
Fumaric, tech., bbls., dms.....lb. .27 - .31
Gallic, NF V, bbls., 1,000-lb. lots..lb. 1.40 - —
smaller lots .....lb. 1.43 - 1.45
technical, bbls., 1,000-lb. lots....lb. 1.23 - —
smaller lots .....lb. 1.26 - 1.28
Gamma, bbls. .....lb. 1.07 - —
Gluconic, tech., 50%, bots.....lb. .28 - .31
dms. .....lb. .14 - —
kgs. .....lb. .16 - —
Glycolic (see Acid, hydroxyacetic).
H, bbls., works.....lb. .50 - —
Hydriodic, 45-47%, cbys.....lb. 2.52 - 2.54
57%, cbys. .....lb. 2.83 - 2.85
Hydrobromic, medicinal, 48%, cbys., dlvd. E..lb. .48 - —
tech., 48%, cbys., dlvd. E.....lb. .45 - —
34%, cbys., dlvd. E.....lb. .35 - .37
Hydrochloric (see Acid, muriatic).
Hydrocyanic, cyls., works.....lb. .80 - 1.00
dilute, NF, 2%, 5-lb. bots.....lb. .30 - .40
Hydrofluoric, anhyd., cyls., works.lb. .19 - .19½
tanks, works .....lb. .16 - —
30%, rubber dms., works.....lb. .08 - .09
48%, rubber dms., works.....lb. .12 - —
52%, rubber dms., works.....lb. .12½- —
60%, rubber dms., works.....lb. .13½- —
Hydrofluosilicic, 30-32%, bbls.....lb. .08 - .09
Hydroxyacetic, tech., 70%, bbls., non-return., Phila..lb. .084 - —
tanks, Belle, W. Va., 100% basis. .....lb. .085 - —
Hypophosphorous, USP, dims.....lb. .75 - 77
Lactic, edible, 50%, bbls., 20 or more. .....lb. .14½- —
smaller lots .....lb. .15 - —
80%, bbls., 5 or less.....lb. .24¼- .24¾
plastic grade, 50%, bbls., 20 or more. .....lb. .17¾- —
10 or less... .....lb. .18¼- —
80%, bbls., 5 or less.....lb. .31¾- .32½
tech., 22%, bbls., c.l., works. 100 lbs. 4.40 - —
l.c.l., works .....100 lbs. 4.80 - —
cbys., works .....100 lbs. 5.30 - —
44%, bbls., c.l., works.....100 lbs. 8.15 - —
l.c.l., bbls., works.....100 lbs. 8.55 - —
cbys., works .....100 lbs. 9.05 - —
USP XII, 85%, cbys.....lb. .54 - .57
USP VIII, 75%, cbys.....lb. .52 - .59
Laurent's, bbls. .....lb. .70 - —
Lauric, dist., 85-90%, dms.....lb. .36 - .38
60%, dms. .....lb. .30 Nom.
Linseed oil, light, dms.....lb. .39½- .40
Maleic, powd., dms.....lb. .26 - .30
Anhydride (see M).
Malic, powd., kgs.....lb. .47 - —
Mandelic, NF, dms., 1,000-lb. lots..lb. 2.05 - —
smaller lots .....lb. 2.10 - 2.30
Mixed, tanks, nitric unit.....lb. .05 - .06
sulphuric unit .....lb. .0085- .009
Molybdic, kgs., works.....lb. .95 - 1.10
Monochloroacetic, purified, flake, 99%, dms..lb. .21 - .22½
tech., flake, 96-97%, dms.....lb. .17 - .18
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works. 100 lbs. 1.50 - 1.70
l.c.l., E. works.....100 lbs. 1.90 - 2.90
tanks, E. works.....ton. 18.00 - 18.20
20°, cbys., c.l., E. works....100 lbs. 1.85 - 2.00
tanks, E. works.....ton. 20.00 - 21.00
22°, cbys., c.l., E. works....100 lbs. 2.35 - 2.50
tanks, E. works.....ton 22.00 - 26.00
CP, USP, consumers, cbys., extra. .....lb. .08 - —
6-lb. bots., extra.....lb. .10 - —
dealers, cbys., extra.....lb. .06½- —
6-lb. bots., extra.....lb. .08½- —
Myristic, dist., dms.....lb. .45 Nom.
Naphthenic, 220-230 acidity, dms., extra, works..lb. .13 - —
tanks, works .....lb. .10 - —
230-240 acidity, dms., extra, works. .....lb. .20 - —
tanks, works .....lb. .17 - —
Neville and Winthers, dms.....lb. .75 - —
Nicotinic, USP, dms., works....kilo. 6.00 - 6.30
Nicotinic amide (see Nicotinamide).
Nitric, 36°, cbys., c.l., E. works... 100 lbs. 5.00 - —
l.c.l., E. works.....100 lbs. 5.30 - 6.30
38°, cbys., c.l., E. works....100 lbs. 5.50 - —
l.c.l., E. works.....100 lbs. 6.00 - 6.25
40°, cbys., c.l., E. works....100 lbs. 6.00 - 6.50
l.c.l., E. works.....100 lbs. 6.50 - 7.10
42°, cbys., c.l., E. works....100 lbs. 6.50 - 7.00
l.c.l., E. works.....100 lbs. 7.00 - 7.25
CP, USP, consumers, cbys., extra. .....lb. .13 - —
7-lb. bots., cs., extra.....lb. .15 - —
dealers, cbys., extra.....lb. .11½- —
7-lb. bots., cs., extra.....lb. .13½- —
Oleic (see Oil, red).
Oleum (see Acid, sulphuric, fuming).
Oxalic, bbls., c.l., works.....lb. .13 - —
10,000 lbs., works.....lb. .13¼- —
smaller lots, works.....lb. .14 - —
Palm oil, white, dist., dms.....lb. .21¼- .21¾
Para-aminobenzoic, purified, dms., works..lb. 4.00 - —
technical, bbls., works.....lb. 1.70 - —
Paranitrobenzoic, cns. .....lb. .80 - —
Acid, paratoluidinmetasulphonic, bbls., works..lb. .85 - —
Peanut oil, s.d., dms.....lb. .21¼- .21¾
Phenylacetic, bots.....lb. 1.51 - 1.75
Phosphoric, food grade, 50%, bbls., c.l., works, frt. equald..... 100 lbs. 4.50 - —
l.c.l., same basis.....100 lbs. 5.25 - 6.00
cbys., c.l., works, frt. equald.. 100 lbs. 5.00 - —
l.c.l., works, frt. alld. 100 lbs. 6.80 - 7.50
75%, bbls., c.l., works, frt. equald..100 lbs. 5.75 - —
cbys., c.l., works, frt. equald. 100 lbs. 6.10 - —
l.c.l., works, frt. alld'..... 100 lbs. 8.00 - 9.00
tanks, works, frt equald.... 100 lbs. 4.00 - —
USP XII, 85%, 100-lb. cbys., c.l..lb. .10½- —
l.c.l. .....lb. .11½- .13
70-lb. cbys. .....lb. .10½- —
l.c.l. .....lb. .11½- .13
dilut., 10%, cbys., djns.....lb. .07 - .07½
Picramic, bgs.....lb. .65 - .70
Picric, bbls.....lb. .30 - .31
Propionic, nat., dms., works.....lb. .18 - —
tanks, works .....lb. .17 - —
synth., pure, dms., works.....lb. .22 - —
tanks, works.....lb. .21 - —
Pyrogallic, tech., bbls.....lb. No prices
N.F., cryst., dms.....lb. 2.80 - 3.03
resub., dms.....lb. 3.30 - 3.45
Pyroligneous, bbls., incl., l.c.l., ex whse..gal. .41 - —
Ricinoleate (see Acid, castor oil, split).
Salicylic, tech., bbls., c.l.....lb. .31 - —
smaller lots.....lb. .36 - —
USP, bbls., c.l.....lb. .40 - —
smaller lots.....lb. .47 - —
Sebacic, tech., dms., c.l., works...lb. No stocks
Soybean oil, s.d., dms.....lb. .21¼- .21¾
Stearic, double pressed, bgs.....lb. .34 - .35
single pressed, bgs.....lb. .33½- .34½
triple pressed, bgs.....lb. .33¼- .37¾
Succinic, bbls.....lb. .87 - .90
Sulphanilic, CP, bots., works.....lb. 1.60 - 1.63
tech., dms., works.....lb. .17 - —
Sulphuric, 60°, cbys., c.l., E. works. 100 lbs. 1.35 - 1.40
l.c.l., E. works.....100 lbs. 1.70 - 2.00
tanks, E. works.....ton. 13.00 - 13.50
66°, cbys., c.l., E. works....100 lbs. 1.55 - 1.70
l.c.l., E. works.....100 lbs. 2.05 - 2.75
tanks, E. works.....ton. 16.50 - 17.50
98%, tanks, E. works.....ton. 17.50 - 18.50
CP, N.F., consumers cbys., extra..lb. .08 - —
9-lb. bots., cs., extra.....lb. .10 - —
dealers, cbys., extra.....lb. .06½- —
9-lb. bots., cs., extra.....lb. .08½- —
fuming, 20%, tanks, E. works..ton. 19.50 - 20.50
Tallow, dist., dms.....lb. .23¾- .24¾
Tannic, tech., 60-62%, dms.....lb. .68 - .69
70%, H.P., dms.....lb. .80 - .90
72-74%, dms.....lb. .80 - .90
USP, fluffy, bbls., 1,000-lb. lots..lb. 1.45 - —
smaller lots.....lb. 1.47 - 1.55
powder, bbls., 1,000-lb. lots....lb. 1.35 - —
smaller lots .....lb. 1.39 - 1.50
Tartaric, USP, bbls., 10,000 lbs., 1 ship't..lb. .49½- —
smaller lots.....lb. .50 - —
dms .....lb. .52 - .53
kgs. .....lb. .50½- —
Thioglycolic, refined, bbls., cbys., basis 100%..lb. 1.95 - 2.00
tech., bbls., cbys., basis 100%..lb. 1.40 - —
Tobias, bbls.....lb. .60 - .62
Toluenesulphonic, dms., works....lb. .20 - —
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungstic, CP, 100-lb pkgs.....lb. 3.10 Nom.
pure, 100-lb. kgs.....lb. 2.80 Nom.
Aconite leaves, bls. .....lb. .60 - .65
Root, bls. .....lb. 1.10 - 1.16
Aconitine, amorph., mild, bots.....oz. 32.50 - —
cryst., potent, bots.....oz. 85.00 - —
Acrylonitrile, dms., c.l. works....lb. .29½- —
l.c.l., works .....lb. .30½- .42½
tanks, works.....lb. .28½- —
Adeps lanae (see Lanolin).
Adonis vernalis herb, bls.....lb. .65 - .70
Agar .....lb. 3.85 Nom.
Agaric, white, bls. .....lb. 2.75 - 3.00
Agrimony herb, bls.....lb. .40 - .45
Albumen (egg), edible flake, bbls...lb. 2.80 - 3.00
powd., bbls. .....lb. 2.85 - 3.05
tech., cryst., bbls.....lb. 1.25 - 1.45
Albumin, blood, dark (see Blood, dried, soluble)
light, dms., l.c.l.....lb. .70 - .75
Egg (see Albumen).
Alcohol, allyl, dms., c.l., dlvd.....lb. .26½- —
l.c.l., dlvd. .....lb. .27 - —
tanks, dlvd. .....lb. .25 - —
Amyl, ex pentane, dms., c.l., frt. alld. E of Miss.....lb. .161 - —
l.c.l., frt. alld. E of Miss..lb. .171 - —
tanks, frt. alld. E of Miss....lb. .151 - —
(see also Fusel oil, ref.).
Benzyl, cns.....lb. .72 - .80
dms. .....lb. .68 - —
Butyl, normal, ferment., Ill., Ind. prod., dms., c.l., frt. alld...lb. .30½- —
l.c.l., frt. alld. E.....lb. .31½- —
tanks, frt. alld E.....lb. .29 - —
tankwagon, frt. alld. E....lb. .29½- —
other production, dms., c.l., frt. alld E..lb. .30½- —
l.c.l., frt. alld E.....lb. .31½- —
tanks, frt. alld. E.....lb. .29 - —
synthetic, dms., c.l., frt. alld. E..lb. .18½- —
l.c.l., frt. alld. E.....lb. .19 - —
tanks, frt. alld. E.....lb. .17 - —
Normal butyl alcohol prices in West, ½c. per lb. higher
secondary, dms., c.l., dlvd.....lb. .11 - —
l.c.l., dlvd. .....lb. .11½- —
tanks, dlvd. .....lb. .09½- —
tertiary, dms., c.l.....lb. .12½- —
l.c.l., dms. .....lb. .13 - —
tanks .....lb. .11 - —
Capryl, dms., c.l., works.....lb. .26 - —
l.c.l., works. .....lb. .27 - —
tanks, works. .....lb. .24½- —

## Acacia—Aluminum Chloride Solution

Alcohol, cetyl, dom., CP., fiber ctns., 1,000 lbs..lb. 2.25 - —
smaller lots .....lb. 2.30 - 2.55
Cinnamic, bots. .....lb. 3.00 - —
Denatured, CD12, CD13, dms., c.l., E. works..gal. 1.03 - —
l.c.l., E. works.....gal. 1.07 - 1.12
tanks, dlvd. E.....gal. .96 - —
Tankcar sales require written authorization by Alcohol Tax Unit.
SD1, 190 pf., dms., c.l., E. works, gal. 1.03 - —
l.c.l., E. works.....gal. 1.07 - 1.12
tanks, E. works.....gal. .96 - —
SD2B, dms., c.l., E. works.....gal. 1.03 - —
l.c.l., E. works.....gal. 1.07½- 1.12½
tanks, E. works.....gal .96½- —
SD23H, dms., c.l., E. works.....gal. 1.01½- —
l.c.l., E. works.....gal. 1.05½- 1.10½
tanks, E. works.....gal. .94½- —
SD29, denatured with acetaldehyde, dms., c.l., E. works..gal. 1.04 - —
l.c.l., E. works.....gal. 1.08 - 1.13
tanks, E. works.....gal. .97 - —
When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those of SD21 plus 1½c. per gal. denaturing charge.
Special solvent, dms., c.l., E. works. gal. 1.03½- —
l.c.l., E. works.....gal. 1.07½- 1.12
tanks, E. works.....gal. .96½- —
Tankcar sales require written authorization by Alcohol Tax Unit.
Diacetone, acetone free, dms., c.l., dlvd..lb. .13 - .13½
l.c.l., dlvd. .....lb. .13½- .14
tanks, dlvd. .....lb. .11½- .12
tech., dms., c.l., dlvd.....lb. .13 - .14½
l.c.l., dlvd. .....lb. .14 - .15½
tanks, dlvd. .....lb. .11½- .13
Ethyl, 190 pf., dms., c.l., E. works. gal. 18.13 - —
l.c.l., E. works.....gal. 18.17 - 18.22
tanks, E. works.....gal. 18.06 - —
absolute, dms., c.l., E. works..gal. 19.10 - —
l.c.l., E. works.....gal. 19.14 - 19.19
tanks, E. works.....gal. 19.03 - —
Ethylhexyl, dms., c.l., works.....lb .29½- —
l.c.l., works .....lb. .30½- —
tanks, works .....lb. .28½- —
Furfuryl, tech., cns., works.....lb. .35 - —
dms., c.l., works.....lb. .22½- —
l.c.l., works.....lb. .25 - —
tanks, works.....lb. .19 - —
Isoamyl (see Carbinol, Isobutyl).
Isobutyl, refd., dms., works.....lb. .13 - —
tanks, works.....lb. .12 - —
Isopropyl, refd., 91%, dms., incl., c.l., dlvd..gal. .44 - .46½
l.c.l., dlvd.....gal. .47 - .49½
tanks, dlvd.....gal. .37 - —
99%, dms., incl., c.l., dlvd....gal. .47½- .50
l.c.l., dlvd.....gal. .50½- .53
tanks, dlvd.....gal. .40½- —
Methyl (see Methanol).
Methylamyl (see Carbinol, methyl-isobutyl).
Octyl, perfumer's grade, bots....lb. 4.00 - 4.40
Phenylethyl, dms.....lb. 2.30 - 3.50
Polyvinyl, type A, fiber-pack, Niagara Falls..lb. .65 - .70
type B, fiber-pack, same basis..lb. .60 - .68
Propyl, normal, dms., c.l., works.lb. .11½- —
l.c.l., works.....lb. .12 - —
tanks, works.....lb. .10 - —
Tetrahydrofurfuryl, cns., Cedar Rapids, Ia..lb. .47 - —
dms., c.l., Waverly, N. Y.....lb. .40 - —
l.c.l., same basis.....lb. .44 - —
tanks, Niagara Falls, N. Y.....lb. .36 - —
Alkol, 95%, dms., works.....lb. .15 - .16
denaturing grade, dms.....gal. 1.33 - 1.48
Aletris root, bgs.....lb. 1.85 - 1.90
Algin, bbls., fib. dms.....lb. .76 - 1.00
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .75 - .80
Allspice, Jamaica (see Pimento).
Mexican, bgs.....lb. .14½- .15¼
Allyl bromide, cbys., 5,000 lbs., works. .....lb. .99 - —
smaller lots, works.....lb. 1.05 - 1.10
Chloride, dms., c.l., dlvd.....lb. .14 - —
l.c.l., dlvd.....lb. .14½- —
tanks, dlvd.....lb. .12½- —
Aloe, Cape, cs.....lb. .30 - .31
Curacao, kgs.....lb. .35 - .36
Socotrine, kgs.....lb. .35 - .36
Aloin, bbls., dms., kgs.....lb. 4.20 - 4.50
Alphacellulose, bgs., c.l., works....lb. .04 - .15
Alphanaphthol, bbls.....lb. .64 - —
Alphanaphthylamine, bbls.....lb. .35 - .35¼
Alphanaphthylthiourea, fib. dms., works, frt. alld..lb. 4.00 - 4.40
Alphanitronaphthalene, bbls.....lb. .31 - —
Alphapicoline, rct. dms., works, frt. equald..lb. .24 - .27½
Alphapinene, tanks, S. works.....gal. .59 - —
Alphaterpineol, dms., c.l., works....lb. .1340- —
l.c.l., works.....lb. .1390- —
tanks, works.....lb. .1200- —
Alphatocopherol, ampuls.....kilo. 750.00 - —
Althea root, NF, peeled, bls.....lb. .40 - .45
Alum, ammonia, burnt, USP, bbls., kgs. .....lb. .16 - .18
gran., bbls., works.....100 lbs. 4.00 - —
lump, bbls., works.....100 lbs. 4.25 - —
powd., bbls., works.....100 lbs. 4.40 - —
Potash, gran., bbls., works...100 lbs. 4.25 - —
lump, bbls., works.....100 lbs. 4.50 - —
powd., bbls., works.....100 lbs. 4.65 - —
Potash-chrome, bbls.....lb. .12½- .13
Soda, bbls., c.l., works.....100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina, classified grade, grd., kgs., works..lb. .35 - .37
top grade, grd., kgs., works.....lb. .60 - .67
unclassified, grd., kgs., works...lb. .10½- .40
Aluminum acetate, basic solution, 24%, bbls., l.c.l., works..lb. .11 - —
20%, bbls., l.c.l., works.....lb. .10 - —
Chloride, anhyd., com'l, dms., c.l., works..lb. .10 - .11
l.c.l., works.....lb. .10¼- —
cryst., com'l, dms., c.l., works..lb. .06 - —
l.c.l., works.....lb. .06½- .06¾
solution, 32°, cbys., c.l., works...lb. .02¾- —
l.c.l., works.....lb. .03¼- —

## Aluminum Fluoride—Atropine Sulphate

Aluminum fluoride, tech., bbls....lb. .25 - —
Formate, solution, 19° Be., bbls., c.l., lb. .09½- —
l.c.l., works....lb. .10 - —
Hydrate, heavy, bgs., c.l., works.ton.56.00 - —
l.c.l., works....ton.76.00 - —
light, bgs., dlvd. ....lb. .17 - —
Hydroxide gel, tech., min. 15% Al ($OH_3$), dms., 10,000 lbs. or more, f.o.b. ship't point....lb. .03 - .03½
ton lots, same basis....lb. .03¼ - .05½
smaller lots, same basis....lb. .07¾- .04
14-15% $Al_2O_3$, fib. dms., works..lb. .20¾- —
contract, works....lb. .19¾- —
9-9½% $Al_2O_3$, fib. dms., works..lb. .17¾- —
contract, works....lb. .16¾- —
dried, USP XII, fib. dms., works. lb. .78 - —
contract, works....lb. .75 - —
powder, tech. (see Aluminum hydrate).
USP IX bbls., dms....lb. .15 - .17
Laurate, precip.. bbls....lb. .42 - —
Linoleate, solid, bbls....lb. .51¼- —
Metal, 98-99%, ingots, 10,000 lbs..lb. .15 - —
pigs, 10,000 lbs....lb. .14 - —
Naphthenate, 1.7% Al. dms., wks..lb. .19 - —
Oleate, dms., contract....lb. .48½- —
Paste, lining, extra fine, dms....lb. .56 - .60
ink, dms. ....lb. .71 - —
standard, dms. ....lb. .38 - —
Powder, lining, extra fine, dms..lb. .93 - —
litho, dms....lb. .62 - .64
standard, dms. ....lb. .62 - —
rubber comp., dms....lb. .47 - —

Aluminum powder, unpolished, stand., dms..lb. .43 - .44
varnish, stand., dms....lb. .47 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb. dm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs., and 4c. for 30,000 lbs or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier, transportation rate will be made from sellers' invoice on orders of 200 lbs. or over.

Resinate, precip., dms. ....lb. .20½- —
Stearate, dibasic, ctns., c.l....lb. .43 - —
l.c.l. ....lb. .44 - —
monobasic, ctns., c.l. ....lb. .43 - —
l.c.l. ....lb. .44 - —
tribasic, ctns., c.l....lb. .48 - —
less ton quantities....lb. .49 - 50
Sulphate, com'l, bgs., c.l., works, frt. equald..100 lbs. 1.15 - 1.30
l.c.l., same basis....100 lbs. 1.40 - 1.50
bbls., c.l., same basis....100 lbs. 1.55 - 1.60
l.c.l., same basis....100 lbs. 1.95 - 2.00
Iron-free, bgs., c.l., works..100 lbs. 1.95 - 2.25
l.c.l., works....100 lbs. 2.35 - 2.50
Trihydrate, heavy (see Aluminum hydrate).
Ambergris, gray, tins....oz. 8.50 -12.00
Aminoazotoluene, bbls. ....lb. .85 - —
Aminoethylpropanol, cns., dms., works. lb. .50 - .60
Aminoethylethanolamine, tanks, works. lb. .50 - —
Aminopyrine, bots., dms....lb. 4.50 - 4.75

Ammonia, anhydrous, fertilizer, tanks, works, frt. equald..ton.59.00 - —
pure, cyls., extra....lb. .16 - —
refrigeration, tanks, works....ton.61.50 - —
Aqua, dms., c.l., works....lb. .03 - .03¼
l.c.l., works....lb. .03½- —
tanks, works ($NH_3$ content)....ton.65.00 - —
Ammoniac gum (see Gum, ammoniac),
Sal, gray, bbls., c.l., works..100 lbs. 7.00 - —
l.c.l., works....100 lbs. 7.40 - —
white, gran., bbls., c.l., works.. 100 lbs. 4.75 - —
l.c.l., works....100 lbs. 5.00 - —
Ammonium acetate, purified, bbls..lb. .32 - —
reagent, bbls....lb. .34 - —
Benzoate, USP, dms., kgs., 4,000 lbs., frt. alld..lb. .42 - —
smaller lots, frt. alld....lb. .44 - .47
Biborate, bbls., c.l., works....ton.320.00 - —
ton lots, works....ton.338.50 - —
less ton lots, works....ton.343.50 - —
Bicarbonate, dms., works, c.l....lb. .064 - .0975
Bichromate, bbls., works....lb. .26 - .30
Bifluoride, bbls....lb. .15 - .15½
Bromide, gran., NF, bbls....lb. .31 - —
dms. ....lb. .32 - .35
powdered ammonia bromide 10c. per lb. higher.
Carbonate, USP, lump, dms....lb. .18½- .14
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, bbls., dms., kgs....lb. .13 - .15
Citrate, dibasic, bbls....lb. .75 - —
dms. ....lb. .80 - .85
Fluoride (see Bifluoride).
Hydroxide (see Ammonia aqua).
Hypophosphite, NF, dms....lb. 1.35 - 1.37
Iodide, NF, jars....lb. 3.90 - 3.96

Ammonium linoleate, plastic, 80%, dms., works..lb. .40½- —
kgs., works....lb. .42½- —
25%, dms., frt. alld. zone 1....lb. .21½- —
tech., bbls., works....lb. .37 - —
dms., works....lb. .39 - —
Molybdate, CP, cryst., kgs....lb. 1.26 - 1.30
fine cryst., bbls., kgs....lb. .84 - .87
purified, dms....lb. 1.10 - 1.12
Nitrate, fertilizer grade, Canadian, 33.5% N, bgs., c.l., shipping point..ton.70.25 - —
dom., bgs., western works....ton.48.50 - —
Nitrate-dolomite, 20.5% N, bgs., Hopewell, Va..ton.37.50 - —
Oleate, dms....lb. .14 - —
Oxalate, fine gran., bbls....lb. .23 - —
dms. ....lb. .25 - .29
Pentaborate, gran., bbls., c.l., works. ton.230.00 - —
ton lots, works....ton.248.50 - —
less ton lots, works....ton.263.50 - —
Ammonia pentaborate powder, $10 per ton higher.
Perchlorate, kgs....lb. .25 - —
Persulphate, kgs....lb. .25½- .26¼
Phosphate, dibasic, NF V, bbls., kgs. lb. .37 - .39
tech., bgs., c.l., works....lb. .07 - —
l.c.l., works....lb. .07¾- —
Salicylate, NF, dms., kgs....lb. 1.25 - —
Silicofluoride, bbls....lb. .15 - .16
Stearate, anhydrous, dms....lb. .34 - —
paste, dms....lb. .06½- —
Sulphamate, bbls., dms., works....lb. .18 - .20
Sulphate, bulk, producing ovens..ton.35.00 -38.00
Sulphide, liquid, 40-45% basis, 100% dms., c.l., works..lb. .10 - —
l.c.l., works....lb. .10½- —
tanks, dlvd. or frt .alld....lb. .08½- —
Sulphocyanide, pure, bbls....lb. .60 - .68
tech., bbls....lb. .17 - .19
Thiocyanate (see Ammonia sulphocyanide).
Thioglycolate, highly purified, 100% basis, bbls..lb. 7.10 - 8.25
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .25½- —
l.c.l., dlvd....lb. .26½- —
tanks, dlvd....lb. .24 - —
ex pentane, dms., c.l., frt. alld. E. of Miss. R..lb. .22 - —
l.c.l., same basis....lb. .23 - —
tanks, same basis....lb. .21 - —
Alcohol (see Alcohol, amyl).
Butyrate, dms....lb. .90 - 1.00
Chloride, mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works....lb. .08 - —
tanks, works....lb. .06 - —
Ether (see Ether, amyl).
Nitrite, USP, bots....lb. 1.75 - 1.83
Mercaptan, dms., works....lb. 1.10 - —
Salicylate, cns....lb. .77 - .87
Stearate, dms., works....lb. .42 - .45½
Anethol, com'l, dms., works....lb. .657 - .685
NF, dms....lb. .60 - 1.40
Angelica root, dom. (atropurpurea), bls..lb. 1.10 - 1.15
imported, bls....lb. 1.50 - 1.60
Angostura bark, bls....lb. .55 - .60
Anilin oil, dms., c.l., works, frt. alld..lb. .14 - —
l.c.l., works, frt. alld....lb. .15 - —
tanks, works, frt. alld....lb. .13 - —
Salt, dms., works....lb. .22 - .24
Anise, Argentine, bgs....lb. .29 - .30
Chinese, Star ....lb. .14½- .15
Cyprus, bgs....lb. .27½- .28
Mexican, bgs....lb. .26 - .26½
Syrian, bgs....lb. .26 Nom.
Anisic aldehyde, bots., cns....lb. 2.53 - 3.35
dms. ....lb. 2.42 - 2.75
Annatto paste, bxs....lb. .34 - .37
Seed, bgs....lb. .19 - .20
Anthracene, 80-85%, bbls., works....lb. .66 - .86
90%, bbls., works....lb. .81 - 1.00
Anthraquinone, 99.5%, bbls....lb. .70 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys....lb. .17 - —
Metal, bulk, c.l., mines....lb. .33 - .33½
Needle, cs....lb. No stocks
Oxide, ceramic grade, bgs., c.l., dlvd..lb. .26 - .27½
l.c.l., dlvd. ....lb. .28 - .28½
paint grade, bgs., c.l., works....lb. .27½- .31
l.c.l., works....lb. .28¾- .32½
Salt, 65%, bgs., c.l., dlvd. E. of Miss. lb. No stocks
Sulphide, 65-70%, bbls., c.l., works.lb. .22 - —
l.c.l., works....lb. .24 - —
Antipyrine, bbls....lb. 2.15 - 2.25
Apomorphine, bots. ....oz.23.20 -23.70
Archil extract, bbls....lb. No stocks
Areca nuts, powd., bbls....lb. .22 - .23
Arecoline hydrobromide, bots....oz. 6.10 - 7.10
Antimony-potassium tartrate (see Tartar emetic)
Argols, min. 70%, bgs., shipment ports, 100 kilos (100% purity)..28.50 - —
Arnica flowers, bls....lb. 1.15 - 1.25
Arrowroot, powd., bgs., bbls....lb. .14 - .15
Arsenic chloride (arsenous), bots..lb. 1.35 - —
Metal, lump, bbls., c.l....lb. No stocks
Sulphide, yellow, bbls....lb. No stocks
Trioxide (see Acid, arsenous).
White, powd., bbls. ,c.l....lb. .06 - —
l.c.l. ....lb. .07 - .08
Asafetida, cs....lb. .55 - .60
powd., bbls., dms....lb. .72 - .77
Asbestine (see Talc, N. Y., fibrous).
Asbestos fiber, 5D and 5K, bgs., c.l. (20 tons), Can. mines..ton.65.00 - —
5R, bgs., c.l. (20 tons), same basis. ton.58.00 - —
6D, bgs., c.l. (30 tons), same basis. ton.43.00 - —
7D, bgs., c.l. (30 tons), same basis. ton.38.50 - —
7F, bgs., c.l. (30 tons), same basis. ton.36.50 - —
7K, bgs., c.l. (30 tons), same basis. ton.26.00 - —
7M, bgs., c.l. (30 tons), same basis. ton.22.50 - —
7R, bgs., c.l. (30 tons), same basis. ton.21.50 - —
7RF, bgs., c.l., same basis....ton.26.50 - —
7T, bgs., c.l., same basis....ton.20.50 - —
7TF, bgs., c.l., same basis....ton.26.50 - —
Asphaltum, California, dms., c.l..ton.36.40 - —
l.c.l. ....ton.41.40 - —
Cuban, A, bulk, c.l....ton.60.00 - —
l.c.l. ....ton.90.00 - —
B, bulk, c.l....ton.38.50 - —
l.c.l. ....ton.55.00 - —
Gilsonite, brilliant black, selects 270°-295° F fus. pt., bgs., f.o.b. Colo. mines..ton.36.50 - —
Seconds, 300°-390° F fusing point, not uniform, bgs., mines..ton.29.00 - —
Jet, bgs., ton lots, gross weight, Colo. mines..ton.29.00 - —
Manjak, No. 10, crude, dms., works. lb. .06½- —
process form, bgs., works....lb. .05¾- .12
Mexican, refd., dms., f.o.b. Tampico, metric ton.27.50 - —
South American, refd., dms., c.l., N. J. refy..ton.22.00 -23.00
l.c.l., same basis....ton.24.00 -25.00
tanks, same basis....ton.15.00 - —
Atropine, bots....oz.10.80 -12.00
Sulphate, bots....oz. 8.90 - 9.85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| a chlorinated alcohol | GLYCEROL DICHLOROHYDRIN |
| an unsaturated alcohol | ALLYL ALCOHOL |
| an unsaturated chloride | ALLYL CHLORIDE |
| a chlorinated epoxy compound | EPICHLOROHYDRIN |
| a conjugated diolefin | METHYLPENTADIENE |
| a saturated trichloride | 1,2,3-TRICHLOROPROPANE |
| a tertiary alcohol | TERTIARY BUTYL ALCOHOL |
| a tertiary olefin | DIISOBUTYLENE |
| a simple ketone | ACETONE |

**EXAMPLES** ● ● ● ● ● ● ● ●

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## B

Balm of Gilead buds, bgs.....lb. 2.25 - 2.50
Barbasco root (see Cube root).
Barberry root bark, bgs.....lb. .78 - .80
Barbital, dms. .....lb. 4.50 - —
Sodium, dms. .....lb. 4.75 - —
Barium carbonate, precip., bgs., 10 tons and up, works..ton.67.50 -75.00
small lots, works.....ton.74.50 -82.00
Chlorate, kgs., works.....lb. .25½- .31
Chloride, CP, cryst., bbls.....lb. .25 - .27
pure, bbls., kgs.....lb. .10 - .12
tech., bgs., c.l., works.....ton.85.00 - —
l.c.l., works .....ton.95.00 - —
Dioxide, dms., c.l., works.....lb. .11½- —
l.c.l., works .....lb. .13 - —
Fluoride, bbls. .....lb. .14 - —
Hydrate, crystals, bgs.....lb. .09 - .09½
Hydroxide, bbls., works.....lb. .19 - —
Iodide, bots. .....lb. 5.12 - —
Monoxide (see Oxide).
Nitrate, bbls., c.l., works.....lb. .11½- —
l.c.l., works .....lb. .13 - —
Oxide, grd., dms., works.....lb. .11 - .11½
l.c.l., works .....lb. .12½- .13½
Peroxide (see Dioxide).
Silicofluoride, bbls. .....lb. .17 - .19
Stearate, ctns., 1 ton up.....lb. .47 - .48
smaller lots .....lb. .48 - .49
Sulphate, tech. (see Barytes and Blanc fixe).
X-ray, bbls. .....lb. .10 - .10½
kgs. .....lb. .12½- —
Sulphide, dms., works.....ton.55.00 -70.00
Baryte ore, approx. 94% $BaSO_4$, bulk, mines..ton. 8.50 -12.50
Barytes, water-grd., paper bgs., c.l., St. Louis..ton.30.30 - —
l.c.l., same basis.....ton.32.10 - —
ex whse., N. Y.....ton.45.00 - —
Southern off-color, bgs., mines....ton.19.00 - —
95.75%, bgs., mines.....ton.20.00 - —
Bay leaves (see Laurel leaves).
Barberry bark, bgs.....lb. .12 - .13
Belladonna leaf, bls.....lb. 1.45 - —
Root, bls. .....lb. 1.25 Nom.
Bauxite, bulk, mines.....ton. 8.50 -10.00
Bentonite, 200 mesh, bgs., works..ton.11.00 - —
Benzaldehyde, NF, dms.....lb. .68 - .90
tech., cbys., dms .....lb. .45 - .55
Benzene (see Benzol).
Hexachloride, tech., 11% gamma bgs., dms., c.l., works..lb. .35¾- .42¼
l.c.l., works .....lb. .379 - .474
dust, dry, 50%, dealers, dms., c.l., works..lb. .33 - —
l.c.l., works. .....lb. .34 - .38
wet, 50%, dealers, dms., c.l., works..lb. .34 - —
l.c.l., works .....lb. .35 - .36
Benzidin base, bbls.....lb. .77 - —
Benzocaine, cns. .....lb. 3.50 - 3.55
Benzol (benzene), pure, nitration and 90%, dms. ret., works..gal. .24 - .26
tanks, E. of Omaha, frt. alld. up to 2c..gal. .19 - .21
W. Coast, Minnequa, Colo., same basis..gal. .19 - —
Benzophenone, dms. .....lb. 1.15 - 1.60
Benzoyl chloride, cbys.....lb. .20 - .28
Peroxide, pure, fib. ctns., works...lb. .90 - 1.05
Benzyl acetate, f.f.c., dms.....lb. .90 - 1.00
dms. .....lb. .60 - .70
Alcohol (see Alcohol, benzyl).
Benzoate, f.f.c., cns., dms.....lb. 1.00 - 1.40
Chloride, refined, cbys.....lb. .22 - —
tech., cbys., works, frt. equald..lb. .20½- —
Cinnamate, cns. .....lb. 3.85 - 4.00
Formate, cns. .....lb. 1.95 - 2.50
Propionate, bots. .....lb. 1.85 - 2.30
Salicylate, bots. .....lb. 1.80 - 2.25
Benzylidinacetone, bots.....lb. 1.85 - 2.70
Benzylisoeugenol, bots. .....lb. 9.80 - —
Berberine bisulphate, cns.....lb. No stocks
Hydrochloride, bots. .....lb. No stocks
Sulphate, cns. .....lb. No stocks
Berberis root, bls.....lb. .30 - .35
Betagammapicolin, dms., c.l., works. lb. .14½- —
l.c.l., works .....lb. .25 - —
Betanaphthol, resublimed, dms., works. lb. .72 - .75
tech., bbls., c.l., wprks.....lb. .23 - .26
l.c.l., works .....lb. .26 - .29
Benzoate, fib. dms., works.....lb. 1.75 - —
Salicylate, dms. .....lb. 5.00 - —
Betanaphthylamine, tech., bbls., works. lb. .62 - —
Betapicolin, 90%, ret. dms., c.l., works. lb. 1.60 - —
l.c.l., works .....lb. 1.85 - —
95%, dms., works.....lb. 2.05 - —
98-99%, dms., works.....lb. 2.20 - —
Beth root, bls.....lb. .55 - .60
Bismuth chloride, jars.....lb. 4.50 - —
Citrate, USP VIII, jars.....lb. 3.12 - —
Hydroxide, dms. .....lb. 4.00 - —
Metal, bxs., ton lots.....lb. 2.00 - —
Nitrate, cryst., cns.....lb. 1.60 - —
Oxychloride, cns., dms.....lb. 3.80 - —
Oxide, anhydrous, dms.....lb. 4.20 - —
Subcarbonate, USP, dms.....lb. 2.60 - 2.63
Subgallate, NF, fib. dms.....lb. 2.45 - 2.48
Subiodide, fib. dms.....lb. 4.13 - —
Subnitrate, USP, dms.....lb. 2.15 - 2.18
Subsalicylate, USP, dms.....lb. 3.05 - —
Sulphocarbolate, fib. dms.....lb. 4.05 - —
Bismuth-ammonium citrate, USP, powd., dms..lb. 3.70 - ...—
Black, acetylene, bgs., c.l., works..lb. .12½- —
cs., l.c.l., ship. pt.....lb. .16 - .18
Bone, 1A, bgs., bbls., c.l., frt. alld. dest..lb. .21 - —
1, bgs., bbls., c.l., same basis....lb. .19 - —
2, bgs., bbls., c.l., same basis..lb. .17½- —
3, bgs., bbls., c.l., same basis....lb. .16½- —
4, bgs., bbls., c.l., same basis....lb. .15½- —
5, ngs., bbls., c.l., same basis....lb. .13 - —
6, bgs., bbls., c.l., same basis....lb. .13 - —
7, bgs., bbls., c.l., same basis....lb. .16 - —
8, bgs., bbls., c.l., same basis....lb. .17 - —
457, bgs., bbls., c.l., same basis..lb. .16 - —
Bone black, l.c.l. prices are ½c. higher than c.l. Pacific coast, ex dock, or whse., prices are 1½c. higher.
Carbon, channel, beads, bulk, c.l., works..lb. .06 - —
bgs., c.l., works.....lb. .0632- —
l.c.l., works.....lb. .07 - —
dlvd. or whse.....lb. .1025- —
uncompressed, regular, bgs., c.l., works..lb. .074 - .075
bgs., ctns., l.c.l., dlvd. or whse lb. .11½- —
furnace, HMF, bgs., c.l., works..lb. .05 - —
ctns., l.c.l., whse.....lb. .09 - —
SRF, bgs., c.l., works.....lb. .035 - —
ctns., l.c.l., whse.....lb. .075 - —
Charcoal (see C).
Graphite (see G).
Iron oxide, synthetic, bgs., c.l., works..lb. .09¾- —
l.c.l., works.....lb. .10 - —
Lamp, A-8, bgs., c.l., works.....lb. .14 - —
l.c.l., works.....lb. .15 - —
AA, bgs., c.l., works.....lb. .25 - —
l.c.l., works.....lb. .26 - —
B-5, bgs., c.l., works.....lb. .09 - —
l.c.l., works .....lb. .10 - —
BTA, No. 2, bgs., c.l., works....lb. .12 - —
l.c.l., works.....lb. .13 - —
E-100, bgs., c.l., works.....lb. .12 - —
l.c.l., works.....lb. .13 - —
No. 1, bgs., c.l., works.....lb. .12 - —
l.c.l., works .....lb. .13 - —
No. 3, bgs., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16½- —
No. 4, bgs., c.l., works.....lb. .18 - —
l.c.l., works.....lb. .22 - —
No. 5, bgs., c.l., works.....lb. .30 - —
l.c.l works .....lb. .40 - —
No. 10, bgs., c.l., works.....lb. .07 - —
l.c.l., works.....lb .08 - —
Mineral, bgs., l.c.l. .....ton.26.00 -31.00
Black ash (see Barium sulphide).
Black dyes (see Dyes).
Black haw root bark, bls.....lb. .75 - .76
Tree bark, bls.....lb. .35 - .43
Black Indian hemp root, bls.....lb. .55 - .60
Blanc fixe, dry, by-product.. bgs., c.l., works..ton.72.50 - —
l.c.l., works .....ton.80.00 - —
direct process, bgs., c.l., works.... ton.85.00 - —
l.c.l., works .....ton.90.00 - —
N. Y. whse.....ton.108.00 -120.00
bbls., c.l., works.....ton.90.00 - —
l.c.l., works .....ton.95.00 - —
N. Y. whse.....ton.113.00 - —
pulp, 66⅔%, bbls., c.l., works..ton.55.00 - —
l.c.l., same basis.....ton.60.00 - —
Bleaching powder, dms., c.l., works.... 100 lbs. 3.75 - —
l.c.l., works .....100 lbs. 4.25 - —
bbls., c.l., works.....100 lbs. 3.50 - —
l.c.l., works.....100 lbs. 4.00 - —
Blood, dried, 16-16½% ammo., bgs..... unit-ton.10.00 - —
high-grade, unground, 16-17% ammon., bulk, Chicago..unit-ton. 9.50 - —
soluble, bgs., l.c.l.....lb. .17 - .25
Bloodroot, bls. .....lb. .75 - .80
Blue, alkali, dry, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. 1.90 - —
Toner, bbls., litho flushed, same basis..lb. 1.10 - —
Celestial, bbls., same basis.....lb. .15 - .16
Chinese, bbls., same basis.....lb. .42 - —
Cobalt, genuine, bbls., same basis.lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper-phthalocyanin, full strength, bbls., same basis..lb. 3.75 - 3.85
50%, bbls., same basis.....lb. 3.00 - 3.40
Iron (see Blue, Chinese, Milori, Potash Prussian, and Soda).
Methyl violet toner, bbls., same basis. lb. 4.20 - —
Milori, bbls., same basis.....lb. .42 - —
Peacock, fugitive, 100% color strength, same basis..lb. .60 - .70
Permanent toner, green shade, molybdic, bbls., same basis..lb. 3.75 - —
Tungstic .....lb. 4.00 - —
Potash, CP, bbls., same basis.....lb. .48 - —
Prussian bbls., same basis.....lb. .42 - —
soluble, bbls., same basis.....lb. .42 - —
Soda, CP, bronze, bbls., same basis. lb. .80 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis..lb. .24 - .28
jobbing type, dry, bbls., same basis..lb. .13 - .14
regular types, dry or pulp, bbls., same basis..lb. .18 - .23
Victoria, toner, molybdic, bbls....lb. 3.75 - —
Tungstic, bbls.....lb. 3.75 - —
Ink toner, bbls., same basis....lb. 2.05 - 2.12
Violet toner, molybdic, bbls., same basis..lb. 1.24 - —
Tungstic, kgs., same basis....lb. 2.60 - 2.70
Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1½c., Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher, Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita, frt. equalized with Chicago.
Blue dyes are listed under Dyes.
Bluefiag, root, bls.....lb. No stocks
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Boldo leaves, bls.....lb. .11 - .12
Bone, raw, bulk, Chicago.....ton.75.00 - —
junk, bulk, same basis.....ton.60.00 -62.00
Meal, raw, 4½% ammon., 50% phos., bgs., E. works..ton.65.00 - —
Chicago, works.....ton.60.00 - —


# EASTMAN CELLULOSE ESTERS

# TEC

- CELLULOSE ACETATE
- CELLULOSE ACETATE BUTYRATE
- CELLULOSE ACETATE PROPIONATE

In protective films, they impart toughness and flame resistance. They are preferred for cable coatings, airplane dopes, cloth stiffeners, and thickening agents in paint and varnish removers.

Consult our technical staff for assistance in your use of these materials.

**TENNESSEE EASTMAN CORPORATION**

(Subsidiary of Eastman Kodak Company)

**KINGSPORT, TENNESSEE**

Bone meal, steamed, feeding grade, 1% ammon., 20% phos., bgs., E. works..ton.65.00 - X
Chicago, works .....ton.65.00 - X
fertilizer grade, 3% ammon., 50% phos., bgs., E. works..ton.60.00 - X
Chicago, works .....ton.60.00 - X
Phosphate, defluorinated (see D). precipitated (see Calcium Phosphate tribasic precip).
Boneset leaves, bls.....lb. .17 - .18
Borage flowers, bls.....lb. .55 - .56
Borax, tech., 99¼%, cryst., paper bgs., c.l., works, frt. split..ton.74.50 -76.00
ton lots, ex whse., N. Y. or Chi..ton.92.00 - —
less ton lots, same basis..ton.97.00 - —
bbls., c.l., works, frt. split..ton.94.50 - —
ton lots, ex whse., N. Y. or Chi..ton.112.00 - —
less ton lots, same basis..ton.117.00 - —
fine gran., bulk, works.....ton.44.50 -47.50
paper bgs., c.l., works, frt. split..ton.48.50 - —
ton lots, ex whse., N. Y. or Chi..ton.66.00 - —
less ton lots, same basis..ton.71.00 - —
bbls., c.l., works, frt. split..ton.68.50 - —
ton lots, ex whse., N. Y. or Chi..ton.86.00 - —
less ton lots, same basis..ton.91.00 - —
powdered, paper bgs., c.l., works, frt. split..ton.53.50 - —
ton lots, ex whse., N. Y., or Chi..ton.71.00- —
less ton lots, same basis..ton.76.00 - —
bbls., c.l., works, frt. split..ton.73.50 - —
ton lots, ex whse., N. Y. or Chi..ton.91.00 - —
less ton lots, same basis..ton.96.00 - —

Borax packed in kgs. is $40 per ton higher than borax packed in paper bags. USP, $15 per ton higher.

Bordeaux mixture, bgs., c.l., whse., works, frt. alld..lb. .15 - .21
l.c.l., same basis.....lb. .16 - .23
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).
Brimstone (see Sulphur).
Bromine, purified, cs., c.l., frt. alld. E. of Rockies..lb. .21 - —
1,000 lbs., same basis.....lb. .20 - —
single pkgs., same basis.....lb. .28 - —
Brazilwood extract (see Hypernic).
Bromoform, USP, bots.....lb. 1.50 - 1.70
clys. .....lb. 1.42 - —
Bromstyrol, bots.....lb. 4.85 - 6.25
Bronze powder, aluminum (see A).
Gold, litho., cans, dms., works..lb. .50 - .60
moulding, cans, dms., works..lb. .80 - 1.00
printing ink, cans, dms., works. lb. .95 - 1.10
radiator, cans, dms., works...lb. .60 - .65
Broomtop, bls.....lb. .29 - .30
Brown, iron, synth., bgs., l.c.l., works. lb. .12 - .12½
Oxide, metallic, bgs., c.l., works.lb. .02¾- .03
Sap, crystals, works.....lb. .12 - —
powdered .....lb. .13 - —
Sienna, burnt, American, works, paper bgs., l.c.l..lb. .06¾- .10¾
Italian type, bgs., works.....lb. .10¾- .14
raw, American, bgs., l.c.l., works.. lb. .05¾- .10¾
Italian type, bbls., works.....lb. .11¾- .12¾
Umber, burnt, American, c.l., bbls., works..lb. .05 - —
l.c.l., bgs., works.....lb. .05¼- —
Turkey type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N. Y..lb. .05¼- —
l.c.l., works.....lb. .05½- —
raw, American, bgs., same basis. lb. .05¼- .05½
Turkey type, bgs., same basis. lb. .05½- .05¾
Vandyke, bbls., works.....lb. .10 - .11
Brucine, cns., 100 ozs.....oz. .40 - .50
Sulphate, cns., 100 ozs.....oz. .40 - .45
Bryonia root, bls.....lb. .45 - .50
Buchu leaves, bls.....lb. 1.00 - 1.05
Buckthorn bark, bls.....lb. .34 - .35
cut and sifted, bbls.....lb. .45 - .46
Berries, bgs. .....lb. 1.00 - 1.10
Butane, indust., tanks, group 3....gal. .04 - —
Burdock root, bls. .....lb. .42 - —
Butyl acetate, normal, ferment, Ill., Ind., prod., dms., c.l., works, frt. alld. E. of Miss..lb. .30½- —
l.c.l., same basis.....lb. .31½- —
tanks, same basis.....lb. .29 - —
tankwagons, same basis...lb. .29½- —
other production, dms., c.l., same basis..lb. .30½- —
l.c.l., same basis.....lb. .31½- —
tanks, same basis.....lb. .29 - —
synthetic, dms., c.l., same basis. lb. .18½- —
l.c.l., same basis.....lb. .19 - —
tanks, same basis.....lb. .17 - —
Normal butyl acetate, W. of Miss., ½c. per lb. higher.
secondary, dms., c.l., dlvd. E. or Miss..lb. .12½- —
l.c.l., same basis.....lb. .13½- —
tanks, same basis.....lb. .11½- —
Alcohol (see Alcohol, butyl).
Aldehyde, dms., c.l., works.....lb. .20½- —
l.c.l., works .....lb. .21½- —
tanks, works .....lb. .19½- —
Ether (see Ether, butyl).
Lactate, dms., c.l., frt. alld. E. of Rockies..lb. .40½- —
l.c.l., same basis.....lb. .41½- —
tanks, same basis.....lb. .39 - —
Laurate, dms., works.....lb. .42 - —
Methacrylate, M-4, dms., works..lb. .60 - —
cns., works .....lb. .63 - .67
P-4, cns., works.....lb. .65 - —
Myristate, dms., works.....lb. No prices.
Oleate, ref., dms., l.c.l., works....lb. .25 - —
tech., dms., c.l., works.....lb. .24 - —
l.c.l., works .....lb. .24½- .25½
Phenylacetate, dms. .....lb. 2.00 - 2.25
Phthalate (see Dibutyl phthalate).
Proplonate, dms., dlvd.....lb. No stocks
tanks, dlvd. .....lb. No stocks
Stearate, dms., l.c.l., frt. alld. E. of Rockies..lb. .45 - —
Butyl-isobutyl methacrylate, P-5, 50/50, cns., works..lb. .60 - —
Butyric ether (see Ethyl butyrate).

## C

Cadmium bromide, jars.....lb. 1.66 - 1.91
Iodide, cns. .....lb. 4.89 - 4.90
Lithopone (see Yellow).
Metal, ingots or sticks, cs., dlvd..lb. 1.75 - 1.80
patent shapes, cs., dlvd.....lb. 1.75 - 1.80
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, cryst., dms., 100 lbs. or more. lb. 4.25 - 7.00
anhydrous, dms., 100 lbs. or more. lb. 4.50 - —
Citrated, dms., 100 lbs. or more....lb. 2.75 - —
Hydrobromide, bots. .....lb. 6.00 - —
Calabar beans, bgs., futures.....lb. .65 - .66
Calamus root, dom., bls.....lb. .35 - .40
bleached, imported, bls.....lb. .70 - .80
Calciferol, cryst., vials, 10,000 or more standard units (1 standard unit=1,000,000 USP units), works..gram. 4.00 - —
1,000 to 10,000 s.u., works..gram. 4.40 - —
less than 1,000 s.u., works..gram. 4.80 - —
Calciferol, in edible oil, dms., 10,000 or more, 1,000 to 10,000 s.u., works..unit. .11 - —
s.u., works..unit. .10 - —
less than 1,000 s.u., works..unit. .12 - —
Calcium acetate, bgs., dlvd....100 lbs. 3.00 - 4.00
Arsenate, dealers, dms., c.l., whse., works, frt. alld..lb. .09½- —
l.c.l., same basis.....lb. .10½- .11½
Bromide, N.F., jars.....lb. .70 - —
Carbide, dms., c.l., works.....ton.70.00 -90.00
delivered .....ton.102.00 -109.00
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars, lb. .28 - .30
flake, 77-80%, paper bgs., c.l., dlvd. ton.21.50 -38.00
l.c.l., dlvd.....ton.31.50 -48.00
liquor, works, basis 40%.....ton. 8.50 - —
solid, 73-75%, dms., c.l., dlvd..ton.21.00 -37.50
l.c.l., dlvd.....ton.81.00 -84.15

Calcium chloride prices vary according to zone, minimum prices are for spot delivery. C.l. prices for flake in burlap bgs., $2.50 per ton higher; dms., $3.50 per ton higher.

Cyanide, dms., delivered, E. of Rockies..lb. .25 - .40
Gluconate, AA, bbls.....lb. .65 - .72
cns. .....lb. .83 - .90
USP, bbls.....lb. .58 - .63
cns. .....lb. .76 - .83
Hydride, dms., works.....lb. .90 - —
Glycerophosphate, NF, fib. dms..lb. 1.90 - —
Hypochlorite, 100-lb. dms., dlvd. E. of Rockies..dm.24.00 -28.50
cans, cased (45 lbs.) same basis..cs.19.75 -21.50
Iodide, jars.....lb. 4.12 - —
Lactate, USP, dms.....lb. .34 - .41
Laurate, bbls.....lb. .43 - .44
Calcium mandelate, USP, dms., works. lb. 2.05 - 2.30
Naphthenate, 5% Ca, dms.....lb. .27 - —
Pantothenate, dex., jars.....kilo.75.50 - —
Phosphate, feeding grade, bgs., works. ton.75.50 - —
food grade, bbls., 10 or over, works. lb. .07 - .07¾
less than 10, works.....lb. .08 - .10
medicinal, dibasic, bgs.....100 lbs.11.40 -19.00
monobasic, cryst., bgs., c.l., works, frt. equald..lb. 6.50 - —
l.c.l., same basis.....lb. 6.75 - —
tribasic, bbls., c.l., works.....lb. 6.50 - 6.80
bgs., l.c.l., works.....lb. 6.85 - 7.30
Phytate, bgs., works.....lb. .16 - .17
Resinate, precip., 6.8% Ca, dms..lb. .20 - —
Silicate, hydrated, bgs., c.l., works. .05½- —
l.c.l., works .....lb. .06 - —
Stearate, precip., cns., c.l., works. lb. .44 - —
l.c.l., works .....lb. .45 - .46
Sulphate (see Gypsum).
Sulphide, 76%, bgs., c.l., works..ton.45.00 - —
70%, bgs., c.l., works.....ton.50.00 - —
luminous tins, works.....lb. 1.25 - —
Sulphocarbolate, bbls., dms.....lb. .49 - .54
Calcium-strontium sulphide, phosphorescent, dms., works.....lb. 1.06 - 1.50
fine particle size, works.....lb. 1.50 - 1.75
Calendula flowers, bls.....lb. 1.00 - 1.05
Calomel, USP, cryst., dms.....lb. 2.10 - 2.11
fine powd., dms.....lb. 2.25 - 2.26
Camphor, monogromated, dms.....lb. 3.20 - —
Camphor, natural .....lb. No stocks.
synth., tech., bbls., 2,000 lbs. or more, works..lb. .45 - —
10 bbls. (1,500 lbs.).....lb. .47½- —
smaller lots .....lb. .48 - .58

### Bone Meal, Steamed—Carbon Dioxide

Camphor, synthetic, USP, gran., powd., bbls., 2,000-lb. lots..lb. .72 - —
1,000-lb. lots .....lb. .73 - —
smaller lots.....lb. .74 - —
tablets, tins, 2,000-lb. lots..lb. .86 - —
1,000-lb. lots.....lb. .87 - —
smaller lots.....lb. .88 - —
Canada balsam (see Fir balsam).
Cantharides, Chinese, cs.....lb. 2.25 - 2.50
powd., bxs. .....lb. 2.50 - 2.75
Russian, bgs. .....lb. 7.00 - 7.25
powd., bxs. .....lb. 7.25 - 7.50
Capsicum (see Pepper, red).
Oleoresin, NF VIII, cns.....lb. 6.50 - 6.75
Caramel coloring, bbls.....gal. 1.25 - —
Caraway seed, Danish, bgs.....lb. .18 Nom.
Dutch, bgs. .....lb. .18½- .19
futures, new crop, bgs.....lb. .18¼- .18¾
Carbazole, 97%, dms., ton lots, works. lb. 1.10 - 1.30
smaller lots, works.....lb. 1.20 - —
Carbinol, butyl, norm., dms., l.c.l., works..lb. .42 - —
secondary, dms., l.c.l., works..lb. .70 - —
Isobutyl, dms., c.l., works.....lb. .51 - —
l.c.l., works.....lb. .52 - —
tanks, works.....lb. .50 - —
Methylisobutyl, dms., c.l., frt. alld. E..lb. .14½- —
l.c.l., same basis.....lb. .15 - —
tanks, same basis.....lb. .12 - —
Carbon bisulphide, 50-gal. dms., c.l., works, frt. alld. to competitive points..lb. .05½- —
l.c.l., same basis.....lb. .06½- —
5-gal. dms., c.l., same basis..lb. .07½- —
l.c.l., same basis.....lb. .08½- —
Dioxide, cyls. .....lb. .06 - .08


ASPIRIN USP

RESORCIN USP Recrystallized

GLUCOSE 45° Bé

MAGNESIUM OXIDE Heavy

FORMIC ACID 90%

SODIUM SULPHIDE

NICKEL ANODES

BLEACHING POWDER 70%

TRICHLORETHYLENE

ANILINE OIL

DIRECT BLACK

PHOSPHORIC ACID 85%

SULPHUR BLACK

ATABRINE TABLETS

OTHER SPECIAL PRODUCTS

Distributors for
THE RUFERT CHEMICAL COMPANY
NICKEL FORMATE
also NICKEL CATALYST
NICKEL CARBONATE
NICKEL OXIDE, etc.

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CHEMICALS CORPORATION
420 LEXINGTON AVENUE
NEW YORK 17, N. Y. Phone: LE 2-9740

## Carbon Tetrachloride, CP—Cocillana Bark

Carbon tetrachloride, CP, dms., c.l..lb. .11 - —
l.c.l. .....lb. .11½- —
tech., dms., zone 1, c.l., frt. alld.lb. .07 - —
l.c.l. .....lb. .07½- —
zone 2, c.l., frt. alld.....lb. .07½- —
l.c.l. .....lb. .08½- —
zone 3, c.l., frt. alld.....lb. .08 - —
l.c.l., frt. alld.....lb. .08½- —
zone 4, c.l. .....lb. .07½- —
l.c.l. .....lb. .08 - —
USP, cbys. .....lb. .17 - .19

Carbon tetrachloride sales zones are:—1, Conn., Del., Ill., Ind., Ia., Me., Mass., Md., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., O., Pa., R. I., Tenn, Va., W. Va., Wis., and river cities of Burlington, Ia., and Kansas City, Kans.; 2, Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D.; 3, Colo., N. Mex., Tex., and Montana points E. of Billings; 4, Ariz., Cal., Idaho, Nev., Ore., Utah, Wash. and Montana points W. of Billings. Zone 4 prices are f.o.b. cars, L. A., Calif., S. F., Calif., Portland, Ore., and Seattle, Wash.

Cardamom fruit, bleached, bold, cs..lb. 1.55 - 1.60
medium, cs. .....lb. 1.35 - 1.40
decorticated, Guatemalan, cs....lb. 1.15 - 1.20
Indian, cs. .....lb. 1.15 - 1.20
green, Alleppey, bgs.....lb. 1.05 - 1.10
Seed (see Cardamom fruit, decorticated).
Carotene, cryst., research grade tins, works..gram. 5.00 - —
in vegetable oil (alpha, 10%, beta, 90%), amps., 100 grams, dlvd. gram. 2.85 - —
50 grams, dlvd.....gram. 2.90 - —
tech., tins, works.. .....lb. .67½- —

Carotene, diluted, dry powd., 3,330 A units per gm., bots., works..lb. .70 - —
vegetable oil, 250,000 A units per gm., bots., works..lb.37.80 - —
50,000 A units per gm., bots., works..lb. 7.87 - —
3,330 A units, per gm., bots., works..lb. .85 - —
Carvol, bots.....lb.13.00 -16.00
Cascara sagrada bark, bulk.....lb. .40 - .43
Case-hardening mixture, 30% gran., dms., l.c.l..lb. .09¾- —
slabs, dms., l.c.l.....lb. .08¾- —
Casein, dom., acid-precip., bgs., 10,000 lbs. or more, ship't point..lb. .31 - .33
rennet-precip., 10,000 lbs. or more same basis..lb. .34 Nom.
imp., acid-precip., ground, bgs., 100 bgs. or more..lb. .29½- .31½
rennet-precip., unground, 100 bgs. or more..lb. .36 Nom.
smaller lots.....lb. .37 Nom.
Cassia bark, Batavia, No. 1, short-stick, bls..lb. .60 Nom.
broken, bls.....lb. .18 - .18½
thinquill, bls.....lb. .60 Nom.
China, rolls, select, cs.....lb. .11½- .12
broken, bls.....lb. .08½- .09
Kwangsi, broken, bls.....lb. .16½- .17
Saigon, broken, bls.....lb. .28 - .29
medium, bls. .....lb. .40 - .41
thin, bls. .....lb. .45 - .46
Yunnan, bls.....lb. .14½- .15
Buds, China, bgs.....lb. .23 - .24
Cassia fistula, bskts.....lb. .26 - .28

Castor beans, bgs., Brazilian ports.. long ton.190.00 -195.00
Oil (see Oil, castor).
Pomace, bgs., c.l., works.....ton.40.00 - —
Castoreum, nat., cns.....lb.38.00 - —
Catechol, CP, cryst., works, fib. dms.lb. 2.00 - —
resublimed, works, dms.....lb. 3.25 - —
Catnep, bls.....lb. .68 - .70
Celery seed, French, bgs.....lb. .30 - .31
Indian, bgs.....lb. .21½- .22
futures, bgs. .....lb. .21 - .21½
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, ctns., works, frt. alld. on 100 lbs. or more..lb. .36 - —
granules, ctns., same basis.....lb. .42 - —
molding composition, plain colors, pearls, special black, dms., c.l., frt. alld..lb. .47 - —
l.c.l., same basis.....lb. .49 - .64
regular black, dms., l.c.l., same basis..lb. .35 - .39
variegations, dms., l.c.l., same basis..lb. .54 - .69
acetate-butyrate, flake, low butyryl content, 15.5-17%, ctns., 5,000 lbs., frt. alld..lb. .49 - —
1,000 lbs., frt. alld.....lb. .50 - —
100 lbs., frt. alld.....lb. .51 - —
smaller lots, works.....lb. .52 - —
medium butyryl content, 36.5% ctns., 5,000 lbs., frt. alld. .....lb. .51 - —
1,000 lbs., frt. alld.....lb. .52 - —
100 lbs., frt. alld.....lb. .53 - —
smaller lots, works.....lb. .54 - —
high butyryl content, 47-50%, ctns., 5,000 lbs., frt. alld. .....lb. .57 - —
1,000 lbs., frt. alld.....lb. .58 - —
100 lbs., frt. alld.....lb. .59 - —
smaller lots, works.....lb. .60 - —

Cellulose acetate-butyrate, molding composition, plain colors, pearls, special black, dms., l.c.l., frt. alld..lb. .56 - .61
regular black, dms., l.c.l., same basis..lb. .47 - .51
variegations, dms., l.c.l., same basis..lb. .61 - .66
Triacetate, flake, ctns., works, frt. alld. on 100 lbs. or more..lb. .40 - —
Cerium hydrate, dms., works.....lb. 1.00 - —
Oxalate, NF, bbls., kgs., works..lb. .70 - .72
Oxide, optical grade, bgs., under 100 lbs., works..lb. 2.25 - —
kgs., 100-lb. lots, works.....lb. 1.75 - —
Chalk, precip., cosmetic, dentifrice, drugs, bgs., c.l., works..lb. .02¾- .05½
l.c.l., ex whse.....lb. .04 - —
paint, bgs., c.l., works.....ton.40.00 - —
papermakers, bgs., c.l., works.ton.32.50 -40.00
rubber makers, bgs., c.l., works.. ton.30.00 - —
Chamomile, Hungarian type, cs....lb. .65 - .70
Roman, bls., futures.....lb. 1.45 - 1.50
Charcoal, hardwood, briquets, bulk, c.l., works..ton.49.50 - —
bgs., c.l., works.....ton.54.50 -55.50
granular, bgs., incl., c.l., works, ton.50.50 - —
lump, bulk, c.l., works.....ton.39.50 -43.50
bgs., extra, returnable, c.l., works..ton.42.50 -45.50
screenings, bgs., works.....ton.33.50 - —
Pinewood, gran., powd., bgs., c.l., works, South..ton.40.00 - —
l.c.l., works .....ton.50.00 -60.00
lump, bgs., c.l., works, South..ton.35.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, powd., 65% tannin, bgs., extra, c.l., works..lb. .1040- —
l.c.l., works.....lb. .1115- —
solid, 25% tannin, bbls., c.l., works, lb. .0435- —
l.c.l., works.....lb. .0460- —
tanks, works.....lb. .0375- —
China clay, dom., dry-grd., air-float, 99.75% 300 mesh, bgs., c.l., works..ton.10.00 -13.00
l.c.l., works.....ton.14.00 -16.00
bulk, c.l., works.....ton. 9.00 - —
99% 200 mesh, bgs., c.l., works..ton.10.00 -12.00
l.c.l., works.....ton.11.00 -16.00
wet-grd., silk-bolt, 99½% 325 mesh, bulk, c.l., works...ton.11.50 - —
paper bgs., c.l., works..ton.15.00 - —
imported, white lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila..ton.51.25 - —
powd., bgs., l.c.l., ex whse..ton.60.00 -100.00
Chloral, dms., works.....lb. .45 - .50
Hydrate, jars.....lb. .93 - .98
Chlordane, agricultural, dms., c.l., frt. alld..lb. 1.50 - —
l.c.l., frt. alld.....lb. 1.55 - 1.70
refined, dms., c.l., frt. alld.....lb. 1.65 - —
l.c.l., frt. alld.....lb. 1.70 - 1.85
technical, cns., c.l., works.....lb. 1.55 - —
l.c.l., works.....lb. 1.60 - 1.80
Chlorinated rubber, standard, ctns., 100 lbs. up, works..lb. .40 - —
smaller lots, works.....lb. .43 - —
Synthetic rubber, same basis, all quantities..lb. .52 - —
Chlorine, liquid, cyls., c.l., works..lb. .07 - .12
l.c.l., stock points.....lb. .09 - .15½
tanks, single units, works, frt. equald..100 lbs. 2.25 - —
multiple units, 3 cars, works, frt. equald..100 lbs. 2.55 - —
2 cars, same basis....100 lbs. 3.15 - —
1 car, same basis.....100 lbs. 3.75 - —
Chloroform, tech., dms.....lb. .20 - .23
USP, dms.....lb. .30 - .33
Chloro-orthotoluidine (Red KB base). bbls..lb. 1.38 - —
Chloropicrin, com'l, bots., ex whse..lb. 1.25 - —
cyls., 180-lbs., works, frt. alld..lb. .89 - —
100-lbs., same basis.....lb. .82 - —
25-lbs., ex whse.....lb. 1.00 - —
Choline chloride, fib dms., works..lb. 3.00 - 3.10
feed grade, fib. dms., works..lb. 2.00 - —
Dihydrogen citrate, fib. dms., works, bl. 3.00 - 3.10
Chrome acetate, powd., 72% Cr., bbls., works..lb. No stocks
solut., 7½%, bbls., cs.....lb. .69¼- —
8½%, bbls., cs.....lb. .69¾- —
Cake, bulk, c.l., works.....ton.16.00 - —
Fluoride, bbls., works.....lb. .24 - .27
Green (see Green, chrome).
Oxide (see Green, chrome oxide).
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, bots.....lb. 6.02 - 8.60
Cinchona bark, USP, red, quill, 30-in., cs..lb. 1.26 Nom.
Cinchonidine, small cryst., cns., 100 ozs..oz. 1.02½- —
Cinchonine, large cryst., cns., 100 ozs. oz. .79½- —
small cryst., cns., 100 ozs.....oz. .75½- —
Sulphate, NF, cns., 100 ozs.....oz. .55½- —
Cinchophen, NF, heavy, dms., works, lb. 4.20 - 4.30
standard, dms., works.....lb. 4.00 - 4.10
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, cbys., cns., dms.....lb. .82 - 1.25
Cinnamon, Ceylon, No. 2, bls.....lb. .42 - .44
due soon.....lb. .37 - .38
Citral, bots., cns.....lb. 3.00 - 6.00
Citronellal, bots., dms.....lb. 2.75 - —
Citronellol, bots., dms.....lb. 3.85 - 4.75
Cloves, Madagascar, bls.....lb. .14¾- .15
futures, bls.....lb. .12 - .12½
Zanzibar, bls.....lb. .16¾- .17½
Clover tops, red, dom., bgs.....lb. .65 - .70
imported, bgs. .....lb. No stocks.
Coaltar, coal-gas, crude, dms., c.l., works..dm. 9.50 - —
l.c.l., works .....dm.10.00 - —
tanks, works .....gal. .09 - —
refd., bbls., c.l., works.....bbl.10.00 - —
l.c.l., works .....bbl.10.50 - —
tanks, works .....gal. .10 - —
water-gas, crude, dms., c.l., works, gal. .21 - —
l.c.l., works .....gal. .22 - —
tanks, works .....gal. .11 - —
refd., dms., c.l., works.....gal. .22 - —
l.c.l., works .....gal. .23 - —
Cobalt acetate, bbls., kgs., dlvd..lb. .83¾- —
Carbonate, powd., bgs., works....lb. 1.58 - —
feed, grade, 49½% Co, kgs.....lb. 1.58 - —
Chloride, kgs., works.....lb. .87½- —
feed grade, 24.5% Co, kgs.....lb. 1.25 - —
Hydrate, bbls.....lb. 2.04 - —
feed grade, 62% Co, kgs.....lb. 2.04 - —
Linoleate, paste, 6% Co, dms...lb. .58½- —
solid 8½% Co, dms.....lb. .66¾- —
8% Co, dms.....lb. .62¾- —
Naphthenate, solid, 6% Co, dms..lb. .55½- —
Nitrate, feed grade, 20.4% Co, bbls. lb. .75¾- —
Oleate, bbls. .....lb. .44 Nom.
Oxide, black, kgs.....lb. 1.27½- 1.80
Phosphate feed grade, 34% Co, kgs. lb. 1.26½- —
Resinate, precip., 7.5% Co, dms...lb. .38½- —
Soyate, solid, 8.5% Co, dms.....lb. .56½- —
Sulphate, dms. .....lb. .65 - —
feed grade, 21% Co, kgs.....lb. 1.00 - —
Cobalt salts, feed grade quotations are f.o.b. Phila., Cleve. or N. Y.
Cobalt-ammonium sulphate, 14% Co, kgs..lb. .75 - —
Cocaine hydrochloride, cns., 100-oz. lots..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .67 - .68
silver, Teneriffe, bgs.....lb. .69 - .70
Cocoa butter, bgs.....lb. .75 Nom.
Cocillana bark, ugs.....lb. .45 - .46


NEW

BECCO PERACETIC ACID 40%

**PROPERTIES**

| | |
|---|---|
| Peracetic Acid $CH_3.COOOH$ | 40% by weight |
| Active Oxygen as peracid | 8.6% by weight |
| Specific Gravity | 1.15 at 20°C. |
| Form | Colorless liquid—strong odor |
| Solubility | Similar to acetic acid |

**SUGGESTED USES**

BLEACHING AGENT for alkali sensitive materials, etc.
CATALYST for bulk and emulsion polymerization
BACTERICIDE
ENZYME INACTIVATOR
OXIDANT IN ORGANIC SYNTHESIS: Hydroxylation and epoxidation of olefinic double bonds; preparation of sulfones; ring splitting action on substituted benzene and naphthalene compounds (i. e. oxidation of phenol to muconic acid, of beta-naphthol to o-carboxycinnamic acid.) etc.

**AVAILABILITY**

Becco Peracetic Acid 40% is now available in limited quantities.

**A FEW OTHER BECCO PRODUCTS**

Hydrogen Peroxide in concentrations of 27.5%, 35%, 50% and 90% by weight.
Hydrogen Peroxide C. P., 30% by weight.
Calcium Peroxide, Magnesium Peroxide, Zinc Peroxide, Ammonium Persulphate, Potassium Persulphate, Urea Peroxide, Sodium Pyrophosphate Peroxide, Sodium Carbonate Peroxide, Acetyl Peroxide in dimethyphthalate.

Detailed description and laboratory samples of any Becco Active Oxygen Chemical will be sent on request.

BECCO SALES CORPORATION
AGENTS FOR BUFFALO ELECTRO-CHEMICAL COMPANY, INC.
BUFFALO 7, NEW YORK
New York Boston Philadelphia Chicago Charlotte

Codeine, cns., 100 ozs.....oz.13.25 - —
Hydrochloride, cns., 100 ozs.....oz.11.85 - —
Phosphate, cns., 100 ozs.....oz.10.25 - —
Sulphate, cns., 100 ozs.....oz.10.75 - —
Codliver oil (see Oil, codliver).
Cohosh black, root, bls.....lb. .22 - .23
Blue, bls.....lb. .22 - .23
Colchicum seed, bgs.....lb. 4.00 - 4.25
Colchinine, bots., cns.....oz. No stocks
Collodion, USP, dms.....lb. .24 - .29
Flexible, USP, dms.....lb. .25½- .30½
Colocynth pulp, bls.....lb. .50 - .52
Colombo roots, bls.....lb. .16 - .17
Coltsfoot leaves, bgs.....lb. .43 - .44
Condurango bark, bgs., futures.....lb. .25 - .26
Copaiba balsam, cns., dms.....lb. .65 - .70
Copper acetate, cupric, bbls., works lb. .28 - —
smaller containers, works.....lb. .29 - .30
Carbonate, 52-54%, bbls.....lb. .24 - .26
Chloride, anhyd., bbls.....lb. .26½- —
crystals, bbls.....lb. .17¾- —
Cyanide, tech., bbls.....lb. .40½- —
Hydrate, dms., del. E. Miss.....lb. .26¼- .26¾
Metal, electrolytic.....lb. .21½- —
Naphthenate, liquid, 8% Cu. dms., dlvd.....lb. .21 - —
solid, 11% Cu, dms., dlvd.....lb. .27½- —
Nitrate, tech., crystl., bbls., works, lb. .25 - .28
Oleate, solid precip. Cu 10%, bbls.....lb. .37 - —
Oxide, black, bbls., works.....lb. .28 - .30
Red, com'l, bbls., works.....lb. .30 - .33
Oxychloride-sulphate, bgs.....lb. .24 - —
Resinate, precip., 8.5% Cu, dms.....lb. .21½- —
Stearate, bgs., works.....lb. .35½- —
Sulphate, crystl., 99%, bgs., c.l. works..100 lbs. 7.60 - —
l.c.l.....100 lbs. 7.85 - 8.60
monohydrated, 35%, dms., c.l., dlvd. 100 lbs. 12.55 -12.80
l.c.l., dlvd.....100 lbs. 13.55 - —
tribasic, dealers, bgs., works, c.l. lb. .21½- .22½
l.c.l., works.....lb. .23 - .23½
Copperas, crystl., gran., bgs., c.l. works..ton. 17.00 - —
l.c.l., works.....100 lbs. 1.55 - 2.00
bbls., c.l., works.....ton. 20.00 - —
bulk, c.l., works.....ton. 14.00 - —
Copra, c.i.f., Pacific ports.....ton. 210.00 - —
Atlantic or Gulf ports.....ton. 216.00 - —
Coriander seed, Argentine, bgs, futures. lb. .09½- .09¾
Indian, bgs.....lb. No stocks
Moroccan, bgs., futures.....lb. .10 - .10½
Corn sugar, tanners, chipped, paper bgs., c.l., 60,000 lbs. min..100 lbs. 6.87 - —
bbls., c.l., same basis..100 lbs. 6.92 - —
Syrup, 42°, bbls., c.l.....100 lbs. 7.23 - —
l.c.l.....100 lbs. 7.28 - —
Cornsilk, bls.....lb. .29 - .30
Corrosive sublimate, NF, crystl., dms., 50 lbs. or more..lb. 1.93 - —
gran., powd., dms., 50 lbs. or more..lb. 1.78 - —
Cottonroot bark, bls.....lb. .40 - .43
Cottonseed hull ash, 32-36% potash, bgs., dlvd..unit-ton. No prices
Meal, 41% protein sacked, c.l. mills, S.E..ton. 84.00 -85.00
Coumarin, cns., 25 lbs.....lb. 2.75 - 3.25
smaller lots.....lb. 2.90 - 3.50
Cramp bark, NF, bls.....lb. .80 - .85
Cream of tartar, dom., USP, gran. or powd., bbls., 5,000 lbs. one ship't..lb. .41½- —
bbls., kgs., smaller lots.....lb. .42 - .42½
Creosote, beechwood, bots., cbys.....lb. 1.05 - 1.10
Coaltar (see Cresol).
Hardwood, N. F., bots., cbys.....lb. .80 - .85
Pinewood, dms.....gal. .31 - .32
Carbonate, bots., cbys.....lb. 2.30 - 2.40
Oil, coaltar, crude, tanks, works..gal. .17½- .19½
refined, dms., c.l., works.....gal. .30 - .30½
l.c.l., same basis.....gal. .33 - .37
tanks, same basis.....gal. .22 - .25
solution, 80%, tanks, works..gal. .16 - .18
Cresol, tech., dms., c.l., works, frt. equald..lb. .14½- .15½
l.c.l., same basis.....lb. .15½- .15¾
tanks, same basis.....lb. .14 - .14½
USP, dms., c.l., same basis.....lb. .14½- .15¼
l.c.l., same basis.....lb. .15¼- .15¾
tanks, same basis.....lb. .14 - .14½
Crotonaldehyde, 91-93% dms., 55 and 110 gals., l.c.l., works..lb. .16½- .17
5 and 10-gals., l.c.l., works.....lb. .22 - —
Cryolite, nat., dealers, bgs., bbls., c.l., works..100 lbs. 12.75 - —
bbls., l.c.l., works.....100 lbs. 14.00 - —
Cube root, 5% rotenone, bbls., works..lb. .55 - —
4% rotenone, bbls., works.....lb. .45 - —
Cubeb berries, XX, bgs.....lb. .75 - .80
powd., cs.....lb. 1.00 - 1.05
Culvers root, bbls.....lb. .44 - .45
Cumin seed, Cyprian, bgs.....lb. No stocks
Indian, bgs, futures.....lb. .40 - .41
Moroccan, bgs.....lb. No stocks
Persian, bgs.....lb. .25½- .26
Syrian, bgs.....lb. .25½- .26
Cutch, 65% tannin, bgs., ex dock...lb. .12 - —
Cyanamide, fertilizer mixing grades, 20.6% N., gran., bulk, Niagara Falls, Ont., contracts, bulk.. unit-ton. 2.15 - —
pulv., 21% N., bgs., same basis, unit-ton. 2.05 - —
Cyclohexane, tech., dms., c.l., works..lb. .09½- —
l.c.l., works.....lb. .10 - —
tanks, works.....lb. .08 - —
Cyclohexanol, tech., dms., c.l., works..lb. .21½- —
l.c.l., works.....lb. .22 - —
tanks, works.....lb. .20 - —
Cyclohexanone, tech., dms., c.l., works, lb. .26½- .30
l.c.l., works.....lb. .27 - .31
tanks, works.....lb. .25 - .29
Cyclohexylamine, dms., works.....lb. .32 - —
Cyclopropane, USP, cyls., dlvd...gal. .27 - —

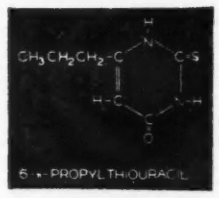
## D

Damiana leaves, bls.....lb. .85 - .90
Dandelion root, bls.....lb. .07 - —
DDT, fiber, dms., c.l., works.....lb. .37½- —
ton lots, works.....lb. .40 - —
tins, smaller lots, works.....lb. .45 - .47
Decanol, normal, tech., dms., dlvd..lb. .35 - —
Deertongue leaves, bls.....lb. .35 - .40
Defluorinated phosphate, 65%, b.c.l., paper bgs., Columbus, Ga..ton. 39.25 - —
Texarkana, Ark.....ton. 41.00 - —
Tupelo, Miss.....ton. 39.25 - —
Wales, Tenn.....ton. 39.25 - —
Rock, paper bgs., works.....ton. 34.25 - —
Degras, common, bbls.....lb. .10 - .12
Neutral, less 2% ffa., bbls.....lb. .20 - .21
over 2% ffa., bbls.....lb. .19 - .20
Derris root (see Cube root).
Dextrin, British gum, bgs., c.l..100 lbs. 8.55 - —
Chicago.....100 lbs. 8.10 - —
l.c.l.....100 lbs. 8.70 - —
Corn, Canary, bgs., c.l.....100 lbs. 8.29 - —
Chicago.....100 lbs. 7.84 - —
l.c.l.....100 lbs. 8.44 - —
dark, bgs., c.l.....100 lbs. 8.39 - —
Chicago.....100 lbs. 7.94 - —
l.c.l.....100 lbs. 8.54 - —
white, bgs., c.l.....100 lbs. 8.14 - —
Chicago.....100 lbs. 7.69 - —
l.c.l.....100 lbs. 8.29 - —
Above prices are for dextrin in paper bgs.; cotton bgs., 17c. higher.
Potato, dom., bgs.....lb. .13½- .14

Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grade, bots.....lb. 5.20 - 5.55
laboratory grade, bots....100 grams. 4.50 - —
tech., bots., works.....lb. 3.00 - —
Diamyl ether (see Ether, amyl).
Phthalate, dms., tanks.....lb. No prices
Diamylamine, dms., c.l., works.....lb. 1.47 - —
l.c.l., works.....lb. 1.50 - —
Dianisidin, dms.....lb. 1.54 - —
Diatomaceous earth, dom., bgs., c.l., Atlantic coast..ton. 50.00 -52.00
California.....ton. 38.00 -40.00
l.c.l., ex whse.....ton. 80.00 - —
purified, bgs., c.l., Atlantic coast. ton. 62.00 - —
California.....ton. 50.00 - —
l.c.l., ex whse.....ton. 90.00 - —
Imported, Algerian, bgs., c.l., Atlantic coast..ton. No prices
Mexican, white, bgs., c.l., Atlantic coast..lb. .03 - —
l.c.l., Atlantic coast.....lb. .06 - —
Dibutyl phthalate, dms., c.l.....lb. .33½- .36
l.c.l.....lb. .34 - .36½
tanks.....lb. .32 - .34½
Sebacate, dms., c.l., works.....lb. .78½- —
l.c.l., works.....lb. .79½- —
tanks, works.....lb. .77½- —
Tartrate, dms., wks., frt. alld....lb. .92 - 1.02
Dibutylamine, dms., c.l., works.....lb. .76 - —
l.c.l., works.....lb. .79 - —
Dichloroanilin, dms., works.....lb. .65 - —
Dichlorodiphenyldichloroethane, flb. dms., c.l., works..lb. .42½- —
ton lots, works.....lb. .45 - —
tins, small lots, works.....lb. .48 - .50
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether (see Ether, dichloroethyl).
Dichlorophenol, dms., frt. equald....lb. .26 - —
Dicyclohexylamine, dms., works....lb. .83 - —
Diethanolamine, dms., c.l., frt. alld. E..lb. .25 - —
l.c.l., same basis.....lb. .26 - —
smaller containers, same basis....lb. .29 - —
tanks, same basis.....lb. .23½- —
Diethyl carbonate, dms., l.c.l.....lb. .40 - —
Oxalate, dms., c.l.....lb. .35½- —
l.c.l.....lb. .36½- —
tanks.....lb. .34 - —
Phthalate, dms., c.l., dlvd.....lb. .31½- .32¾
dms., l.c.l., dlvd.....lb. .32 - .33½
tanks, dlvd.....lb. .30 - .31½
Sulphate, dms., c.l., works.....lb. .14 - —
l.c.l., works.....lb. .15 - —
tanks, works.....lb. .13 - —
Diethylamine, dms., c.l., works....lb. .69 - —
l.c.l., works.....lb. .71 - —
tanks, works.....lb. .65 - —
Diethylaminoethanol, dms., l.c.l., works frt. alld. E. of Miss....lb. .75 - —
Diethylanilin dms.....lb. .48 - —
Diethyleneglycol, dms., c.l., frt. alld. E..lb. .15 - —
l.c.l., same basis.....lb. .16 - —
tanks, same basis.....lb. .13½- —
Diethylether, dms., works.....lb. .40 - —
Monobutylether, dms., c.l., works, lb. .22 - —
l.c.l., works.....lb. .23 - —
tanks, works.....lb. .21 - —
Monobutylether acetate, dms., c.l., works..lb. .27½- —
l.c.l., works.....lb. .28½- —
tanks, works.....lb. .26½- —
Monoethylether, dms., c.l., works..lb. .17 - —
l.c.l., works.....lb. .18 - —
tanks, works.....lb. .16 - —
Diethyleneglycol monoethylether acetate, dms., c.l., works..lb. .25½- —
l.c.l., works.....lb. .26½- —
Monomethylether, dms., c.l., works. lb. .21½- —
l.c.l.....lb. .23½- —
tanks.....lb. .20½- —
Monomethylether acetate, dms., c.l., works..lb. .21½- —
l.c.l., works.....lb. .22½- —
Diethylenetriamine, tanks, works...lb. .50 - —
Diethylstilbestrol, bots.....kilo. 325.00 -330.00
Digitalin, crystl., bots.....gram. 18.00 -19.00
powd., bots.....gram. 1.25 - 1.75
Digitalis leaves, dms.....lb. 1.05 - 1.15
Diglycol laurate, dms.....lb. .33 - —
Oleate, light, bbls., c.l.....lb. .33 - —
Stearate, bbls., c.l.....lb. .40 - —
Dihydroxydichlorodiphenylmethane, dms..lb. .95 - 1.00
smaller containers.....lb. 1.05 - 1.40
Di-isobutyl ketone, dms., works...lb. .19 - —
Di-isobutylene, dms., c.l., works...lb. .07 - —
l.c.l., works.....lb. .07½- —
tanks, works.....lb. .05½- —
Dillseed, decorticated, bgs.....lb. .16 Nom.
dewhiskered, bgs.....lb. .12 - .12½
Dimethyl phthalate, dms., c.l., dlvd. lb. .24¾- —
l.c.l., dlvd.....lb. .25½- —
tanks, dlvd.....lb. .23½- —
Sebacate, dms., c.l., works.....lb. .91 - —
l.c.l., works.....lb. .91½- —
tanks, works.....lb. .90 - —
Sulphate, ret. 55-gal. dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .16 - —
ret. 10-gal. dms., works.....lb. .16½- —




# Now CALCO can meet your needs for Propylthiouracil




Calco now announces Propylthiouracil (6-n Propylthiouracil), a notable addition to thyrotoxicosis therapy. Propylthiouracil has proved to be as effective as Thiouracil on far lower dosage levels and it does not exhibit the undesirable side effects of the related compound. In addition, it is well tolerated by patients previously exhibiting sensitivity to Thiouracil. For more complete information about Propylthiouracil, write for Calco Technical Bulletin No. 720.

★ *Precise and complete analytical control.*

★ *Technical bulletins available.*

★ *A technical service ready to assist in application problems.*

Represented in Canada by Calco Chemical Division
North American Cyanamid, Limited
P. O. Box 10, St. Lambert, Montreal 23, P. Q.
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**CALCO's Bulk Pharmaceuticals**

**Sulfadiazine U.S.P.**
**(powder and micro crystal)**
**. . . the Sulfa drug of choice**
**Sodium Sulfadiazine U.S.P.**
**Sulfamerazine U.S.P.**
**(powder and micro crystal)**
**Sodium Sulfamerazine U.S.P.**
**Sulfanilamide U.S.P.**
**(powder, crystal and micro crystal)**
**Sulfathiazole U.S.P.**
**(powder, crystal and micro crystal)**
**Sodium Sulfathiazole U.S.P.**
**Sulfapyridine N.F.**
**Sodium Sulfapyridine**
**Aminoacetic Acid N. F.**
**Calcium Pantothenate (Dextro)**
**Choline Chloride**
**Choline Dihydrogen Citrate**
**Cinchophen N.F.**
**(and Sodium Salt)**
**Neocinchophen U.S.P.**
**Mandelic Acid N.F.**
**Calcium Mandelate U.S.P.**
**Menadione U.S.P.**
**Methylene Blue U.S.P.**
**(powder and crystal)**
**Nicotinic Acid U.S.P.**
**Nicotinamide U.S.P.**
**Saligenin**
**Thiouracil**
**Propylthiouracil**
**Phenothiazine N.F.**
**(Regular and Drench grades for Veterinary use)**
**Certified Colors for Pharmaceutical and Cosmetic Use**

Pharmaceutical Department
Calco
REG. U.S. PAT. OFF.
CALCO CHEMICAL DIVISION
AMERICAN CYANAMID COMPANY
Bound Brook New Jersey

### Dimethylamine—Ethyldiethanolamine

Dimethylamine, anhyd., cyl., works, basis 100%..lb. 38½- .48½
95%-40%, dms., c.l., works, basis 100%..lb. 38 - —
l.c.l., works, basis 100%.....lb. 38½- —
tanks, works, basis 100%.....lb 38 - —
Dimethylanilin, dms., c.l.....lb 21 - .24¼
l.c.l. ..... 22 - —
Dinitroaniline, dms., frt. equald.....lb. .50 - —
Dinitrobenzene, bbls.....lb. .16 - —
Dinitrochlorobenzene, dms.....lb. .14 - .15½
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, oily, dms.....lb. .07 - .07¾
refd., dms.....lb. .18 - —
Dinonylnaphthalene tanks, works..lb. .15 - —
Diorthotolylguanidine, dms., ton lots, dlvd..lb .44 - —
smaller lots, dlvd.....lb .46 - .47
Dioxan, dms., c.l., frt. alld.....lb .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb .19 - —
Dip oil (see Tar acid oil).
Dipentene, dest.-dist., dms. incl., c.l., works, South..gal. .45 - —
l.c.l., same basis.....gal. .46 - —
N. Y. whse.....gal. .60 - —
steam-dist., dms., whse., N.Y.C..gal. .70 - —
tanks, dlvd. E.....gal. 1.65 - —
Diphenyl, bbls., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns.....lb. .50 - .61
dms. .....lb. .45 - .56
Diphenylamine, bbls.....lb. .25 - —
Diphenylguanidin, dms., ton lots..lb. .33 - —
smaller lots.....lb. .36 - .37

Divi-divi, 36% tannin, bgs., bls., c.l., U.S. ports, ex dock..ton 60.00 -62.00
Doggrass root, dom., cut, bls.....lb .27 - .28
imp., N.F., cut, bls.....lb. .81 - .82
Dogwood, Jamaica, bark, bls.....lb. .12 - .14
Dragon's blood, drops, cs.....lb. .45 - .47
mass, cs.....lb. 1.50 - 1.55
reeds, cs..... No stocks

Dyes, coaltar, certified colors for foods, drugs and cosmetics, 1-lb. lots:—
Blue, FD&C, No. 1, cns.....lb.14.85 - —
No. 2, cns.....lb.14.85 - —
Green, FD&C, No. 1, cns .....lb.14.85 - —
No. 2, cns.....lb.19.25 - —
No. 3, cns.....lb.30.25 - —
Orange, FD&C, No. 1, cns.....lb. 3.20 - —
No. 2, cns.....lb. 4.00 - —
Red, FD&C, No. 1, cns.....lb. 6.60 - —
No. 2, cns.....lb. 3.45 - —
No. 3, cns.....lb.19.25 - —
No. 4, cns.....lb. 6.35 - —
No. 32, cns.....lb. 4.55 - —
Yellow, FD&C, No. 1, cns.....lb. 9.35 - —
No. 3, cns.....lb. 2.90 - —
No. 4, cns.....lb. 2.90 - —
No. 5, cns.....lb. 3.45 - —
No. 6, cns.....lb. 3.45 - —

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots:—
Black, D&C, No. 1, cns.....lb. 9.15 - —
Blue, D&C, No. 4, cns.....lb.13.55 - —
Brown, D&C, No. 1, cns.....lb.13.55 - —
Green, D&C, No. 5, cns.....lb.13.55 - —
No. 6, cns.....lb.13.55 - —

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots:—
Orange, D&C, No. 3, cns.....lb. 9.15 - —
No. 4, cns.....lb.16.85 - —
No. 5, cns.....lb. 4.75 - —
No. 10, cns.....lb.17.40 - —
Red, D&C, No. 8, cns.....lb. 3.10 - —
No. 9, cns.....lb. 3.10 - —
No. 10, cns.....lb. 3.50 - —
No. 11, cns.....lb. 1.85 - —
No. 12, cns.....lb. 2.50 - —
No. 17, cns.....lb. 9.15 - —
No. 18, cns.....lb 20.15 - —
No. 19, cns.....lb.16.85 - —
No. 21, cns.....lb. 3.95 - —
No. 22, cns.....lb. 9.15 - —
No. 28, cns.....lb.20.70 - —
No. 33, cns.....lb.14.65 - —
Violet, D&C, No. 1, cns.....lb.13.55 - —
No. 2, cns.....lb.13.55 - —
Yellow, D&C, No. 7, cns.....lb. 9.15 - —
No. 8, cns.....lb. 9.15 - —
No. 10, cns.....lb.11.35 - —
No. 11, cns.....lb.11.35 - —
No. 19, cns.....lb.16.85 - —
No. 22, cns.....lb. 9.15 - —
No. 33, cns.....lb.14.65 - —
No. 37, cns.....lb.13.55 - —

Dyes, coaltar, certified colors for external use drugs and cosmetics, 1-lb. lots:—
Blue, Ext. D&C, No. 1, cns.....lb.13.55 - —
Green, Ext. D&C, No. 1, cns.....lb.13.55 - —
Red, Ext. D&C, No. 1, cns.....lb.11.35 - —
No. 3, cns.....lb.24.00 - —
Yellow, Ext. D&C, No. 1, cns....lb. 9.15 - —

Dyes, oil-soluble, 100-lb. dms., sellers' works or warehouse.
Black, blue, No. 550.....lb. .61 - —
Jet, No. 551.....lb. .66 - —
Brown, R, conc.....lb. 1.04 - —
Orange R, brilliant.....lb. .67 - —
Red, 4 B, conc.....lb. 1.03 - —
Yellow, C.....lb. .88 - —
FN, conc.....lb. .91 - —

Dyes, spirit-soluble, same basis.
Auramine, O.....lb. 1.54 - —
Black, basic, blue.....lb. .91 - —
Jet .....lb. .91 - —
Blue, methylene, 2 B, conc.....lb. 1.21 - —
Brown, Bismarck, R, conc....lb. .61 - —
Chrysodine, R, extra.....lb. .44½- —
Y, extra.....lb. .48 - —
Fuchsine, conc.....lb. 2.65 - —
Green, Malachite, conc.....lb. 1.64 - —
Rhodamine, B.....lb. 4.37 - —
Safranine, Y, conc.....lb. 2.19 - —
Violet, methyl, B.....lb. .87 - —

Dyes, water-soluble, same basis.
Black, acid blue, B, extra.....lb. .61 - —
Orange, acid, Y, conc.....lb. .36 - —
Rhodamine, azo-, R, extra, conc. lb. .79 - —
Scarlet, croceine, MOO.....lb. 1.12 - —
Yellow, azo-, conc.....lb. .81 - —
Fast light, 2 G, extra.....lb. 1.69 - —
Methanil, conc.....lb. .70 - —

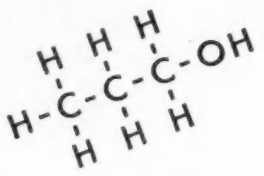
Oil-soluble, spirit-soluble, water-soluble dyes in kegs, 3c. higher; tins, 10c. higher.

## E

Echinacea root, bls. .....lb. 65 - .70
Egg albumen (see Albumen).
Yolk, dried, dom., bbls.....lb. 1.20 - 1.25
tanners, bbls.....lb. .05½- .07
Elder flowers, bright, bls.....lb. 65 - 66
Elecampane root, bls.....lb. .35 - .40
Elm bark, grinding, bls.....lb. .35 - 36
powd., bbls., bxs.....lb. .45 - .50
select, bndls.....lb. .55 - .56
Emetine hydrochloride, bots.....oz.53.50 -54.00
Ephedra herb, bls.....lb. .20 - .21
Ephedrine, synthetic, USP, anhydrous, bots., 100 ozs..oz. .84 - —
hydrous, bots., 100 ozs.....oz. .76 - —
Hydrochloride, tin, 100 ozs....oz. .60 - —
Sulphate, cryst., tins, 100 ozs..oz. .57 - —
powd., tins, 100 ozs.....oz. .58 - —
Epichlorohydrin, dms., c.l., works, lb. .46 - —
l.c.l., works.....lb. .46½- —
tanks, works.....lb. .44½- —
Epinephrine, synth., USP, bots..gram. .60 - .70
Epsom salt, tech., cryst., bgs., c.l., 100 lbs. 2.05 - —
l.c.l. .....100 lbs. 2.40 - 2.65
USP, cryst., bgs., c.l.....100 lbs. 2.25 - —
l.c.l., 5,000 lbs., 1 withdrawal, 100 lbs. 2.50 - —
smaller lots.....100 lbs. 2.75 - —
bbls., c.l.....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal, 100 lbs. 2.60 - —
smaller lots .....100 lbs. 2.85 - —
bgs., c.l.....100 lbs. 2.60 - —
l.c.l., 5,000 lbs., 1 withdrawal, 100 lbs. 2.85 - —
smaller lots.....100 lbs. 3.10 - —
Epsom salt prices freight equalized: Baltc., Carteret, N. J.; Chicago, Cincinnati, Cleveland, Midland, Mich.
Ergot, USP, cns.....lb. 1.25 - 1.80
Eserine, bots.....oz. No prices
Sulphate, bots. .....oz.60.00 -61.00
Ether, acetic (see Ethyl acetate).
Amyl, dms., c.l., works.....lb. 095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. 095 - —
Butyl, dms., l.c.l., dlvd.....lb. .31 - —
Butyric (see Ethyl butyrate).
Dichloroethyl, purif., dms., works, frt. equald..lb. .13½- —
l.c.l., same basis.....lb. .14 - —
tanks, same basis.....lb. .12½- —
Ethyl (see Ether, sulphuric).
Isoprophyl, dms., c.l., dlvd.....lb. 06 - —
l.c.l., dlvd.....lb. 06¼- —
tanks, dlvd.....lb. .04½- —
Nitrous, conc., bots., 100 lbs.....lb. .98 - 1.10
Sulphuric, conc., dms. .....lb. .18 - .25
USP, anethesia, hospital, cns..lb. .61 - .75
synthetic, dms., c.l., frt. alld..lb. .18 - —
l.c.l., same basis.....lb .19 - —
tanks, same basis.....lb. .16 - —
Ethyl acetate, natural, fermentation, 85-88% dms., c.l., frt. alld....lb. .17½- —
l.c.l., frt. alld.....lb. .18½- —
tanks, frt. alld.....lb. .16 - —
85-88%, dms., c.l., frt. alld..lb. .18 - —
l.c.l., frt. alld.....lb. .19 - —
tanks, frt. alld.....lb. .16½- —
99%, dms., c.l., frt. alld....lb. .18½- —
l.c.l., frt. alld.....lb. .19½- —
tanks, frt. alld.....lb. .16¾- —
NF, dms. .....lb. .30 - —
synthetic, 85-90%, dms., c.l., frt. alld..lb. .13½- —
l.c.l., frt. alld.....lb. .14 - —
tanks, frt. alld.....lb. .12 - —
95-98%, dms., c.l., frt. alld....lb. .13¾- —
l.c.l., frt. alld.....lb. .14¼- —
tanks, frt. alld.....lb. .12¼- —
Acetoacetate, dms., c.l., works....lb. .50½- —
l.c.l., frt. alld.....lb. .51½- —
Benzoate, bots.....lb. .09½- .06
Betaethoxypropionate, dms., works, lb. .70 - —
Bromide, tech., 98%, dms.....lb. .36 - .40
Butyrate, bots.....gal. 5.50 - —
cns., works.....lb. .65 - .70
dms., works.....lb. .60 - —
Carbamate, dms., dlvd. E.....lb. .58 - —
Chloride, tech., tanks.....lb. .13½- —
USP, bbls., cyl.....lb. .20 - .22
Cinnamate, cns.....lb. 2.35 - 3.25
Formate, dms., Agnue, Calif....lb. .26 - .32
Iodide, bots. .....lb. 3.50 - 3.60
Lactate, dms., works.....lb. .38½- —
Methycrylate, M-2, dms., works...lb. .60 - —
cns., works .....lb. .68 - .67
P-2, cns., works .....lb. .65 - —
Myristate, dms., works.....lb. No prices
Oenanthate, dms.....lb. 2.60 - 3.25
Oleate, dms., l.c.l., works.....lb. .47 - —
Oxalate, dms., frt. alld.....lb. 33 - —
Silicate, dist. (see Tetraethyl orthosilicate).
40% available $SiO_2$, dms., works, lb. .50 - —
Ethylalphanaphthylamine, bbls.....lb. .76 - —
Ethylanilin, dms.....lb. .60 - —
Ethylcellulose fib. dms., 5,000 lbs., works..lb. .52 - —
smaller lots, works.....lb. .54 - .62
Ethyldiethanolamine, dms., l.c.l., works lb. .80 - —


# n-PROPYL ALCOHOL

## IN VOLUME



Celanese production of n-propyl alcohol is now meeting large-scale continuous demands. This straight chain hydrocarbon—applicable to processes where its characteristic excellent solvent action and miscibility can be used to advantage—is available for shipment in drum or tank car amounts.

**PHYSICAL PROPERTIES**

| | | |
|---|---|---|
| MOLECULAR WEIGHT | | 60.06 |
| COLOR | | water white |
| ODOR | | characteristic alcohol-like odor |
| SPECIFIC GRAVITY | 20°/4° C | 0.8036 |
| DISTILLATION RANGE | ASTM | 2° including true boiling point |
| WEIGHT PER GALLON | 20° C | 6.7 lbs. |
| SOLUBILITY | | soluble in water and practically all organic solvents |
| FLASH POINT | open cup | 85° F |
| BOILING POINT | 1 atm. | 97.2° C |
| FREEZING POINT | | -127° C |
| VAPOR PRESSURE | 100° F | 0.9 lbs. per sq. in. absolute |
| RELATIVE EVAPORATION RATE | | 11. (ether = 1) |

If you are looking for an improvement in your products, or short cuts in processing, the straight chain advantages of n-propyl alcohol are worth investigation. n-Propyl alcohol can be used also as a replacement for other alcohols now in critical supply. Call or write for additional information and specifications.

*Celanese Chemical Corporation,*
*division of Celanese Corporation of America,*
*180 Madison Avenue, New York 16, N. Y.*

**ALSO IN VOLUME**

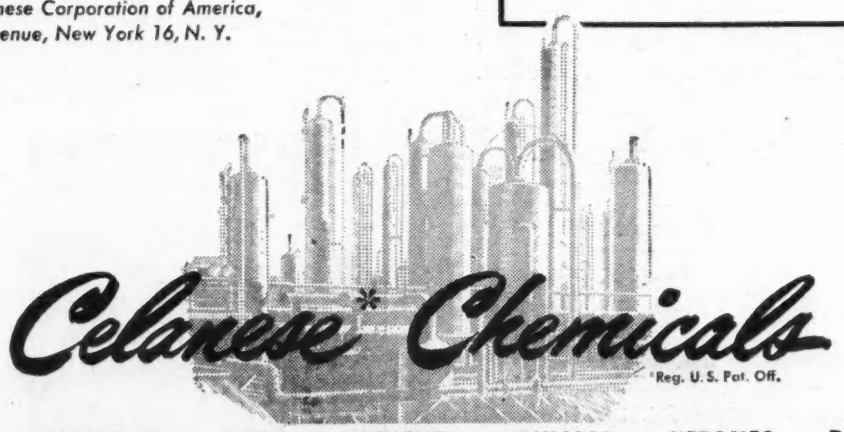
**CELANESE***

**ISO-PROPYL ALCOHOL**

Expanded plant facilities and new engineering techniques now enable Celanese to announce the production of iso-propyl alcohol in commercial quantities.

This latest addition to the increasing line of Celanese* organic chemicals is another step in the progressive chemical program of Celanese Corporation of America.

As one of the pioneers in producing organic chemicals from petroleum, Celanese is in an advantageous position, through advanced research and the most modern production facilities, to meet the critical chemical needs of American industry.



*Celanese* Chemicals*

*Reg. U. S. Pat. Off.

**ALDEHYDES • ALCOHOLS • ACIDS • SOLVENTS • GLYCOLS • KETONES • PLASTICIZERS**

Ethylene dichloride dms., c.l., works, frt. alld. E. of Rockies..lb. .08½- —
West of Rockies.....lb. .09 - —
l.c.l., works, frt. alld. E. of Rockies..lb. .09½- —
West of Rockies.....lb. .10 - —
smaller containers.....lb. .12½- —
tanks, frt. alld. E. Rockies....lb. .07 - —
West of Rockies.....lb. .07½- —
Oxide, dms., c.l., works.....lb. .20 - —
l.c.l., works.....lb. .21 - —
tanks, works.....lb. .15 - —
Trichloride (see Trichloroethane).
Ethylenediamine, tanks works.....lb. .50 - —
Ethyleneglycol, dms., c.l., frt. alld. E..lb. .13½- —
l.c.l., same basis.....lb. .14½- —
tanks, same basis.....lb. .12 - —
Monobutylether, dms., c.l., works..lb. .21 - —
l.c.l., works.....lb. .22 - —
tanks, works.....lb. .20 - —
Monoethylether, dms., c.l., works..lb. .17 - —
l.c.l., works.....lb. .18 - —
tanks, works.....lb. .16 - —
Monoethylether acetate, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Monomethylether, dms., c.l., works..lb. .18 - —
l.c.l., works.....lb. .19 - —
tanks, works.....lb. .17 - —
Monomethylether acetate, dms., c.l., works..lb. .23 - —
l.c.l., works.....lb. .24 - —
tanks.....lb. .22 - —
Ethylethanolamine, dms., c.l., works.lb. .57 - —
l.c.l., works.....lb. .60 - —
Ethylmonoethanolamine, l.c.l., dms., works..lb .80 - —
Ethylmorphine, hydrochloride, bots..oz.11.85 - —
Ethylorthotoluidine, bbls. .....lb. .80 - —
Ethylvanillin, cns., 5 lbs. or more..lb. 6.75 - —
smaller lots.....lb. 6.80 - 6.90
Eucalyptol, USP, cns., dms.....lb. 2.60 - 4.00
Eucalyptus leaves, bls.....lb. .14 - 15
Eugenol, prime, USP XII.....lb. 2.35 - 2.25
Euphorbia herb, bls.....lb 18 19

## F

Feldspar, enamel, 100 mesh, bgs, works, ton.17.00 -20.50
bulk, c.l., works.....ton.14.00 17.50
glass, 20 mesh, bgs., tons, works.. ton.12.75 -16.25
bulk, c.l.....ton. 9.75 -12.25
Pottery, bgs., l.c.l., 2 tons, works.ton.20.00 -22.00
bulk, c.l., works.....ton.17.00 -19.00
Fennel seed, Argentine, bgs., futures, lb. .07 - 07⅛
Indian, bgs., afloat.....lb. .15½- 16
Fenugreek, domestic, bgs.....lb. .10 - 10½
Indian, bgs.....lb. .09½- 10
futures, bgs.....lb. 09 - 09⅛
Ferric sulphate (see Iron sulphate, ferric).
Film scrap, colored, cs., works.....lb. 14½- —
water-white, cs., works.....lb. 15½- —
Fir balsam, Canada, cns.....gal.24.00 -25.00
Oregon, bbls.....gal. 2.45 - 2.65
Fishberries, bgs.....lb. 24 25
Fishliver oils (see Oil, fishliver).
Fishmeal, grd., 60% protein, bgs., Baltc. area..ton.140.00 - —
65% protein, bgs., Baltc. area..ton.150.00 - —
Fishscrap, dried, 60% protein, bulk, Baltc area..ton.125.00 - —
Flaxseed, black, bgs.....lb. .45 - 46
blonde, bgs.....lb. 26 27
Husks, bgs .....lb. 66 67
Fluorspar, No. 1, ground 95-98% $CaF_2$, bulk, c.l., mines, net ton.37.00 - —
washed gravel, 70% or more $CaF_2$, bulk c.l., mines..ton.33.00 - —
65% bulk c.l., mines.....ton.32.00 - —
60% bulk c.l., mines.....ton.31.00 - —
less than 60% bulk, c.l., mines..ton.30.00 - —
Formaldehyde, bbls., c.l., works...lb. .0645- 0695
l.c.l., works.....lb. .0695- 0745
dms., extra, c.l., works.....lb. .0545- 0595
l.c.l., works.....lb. .0595- 0645
tanks works.....lb. .0370- 0420
tanktrucks, dlvd. N.Y C.....lb. 0395- 0445
Fringetree bark, bls.....lb. .65 - 66
Fuller's earth, dom., powd., bgs., c.l., Fla., Ga. mines..ton.30.00 - —
Tex. mines.....ton.27.00 - —
spent, bulk, Bayonne.....ton.2.00 - 4.00
imp., bgs., c.l.....ton.30.00 -40.00
Furfural, tech., dms., c.l., works..lb. .13 - —
dms., cns., l.c.l., works.....lb. .15½- 20⅛
tanks, works.....lb. .09½- —
Fusel oil, dms., c.l.....lb. .26½- —
l.c.l.....lb. .27½- —
tanks.....lb. .25 - —
Fustic extract, cryst., No. 1, bbls., l.c.l. lb. .41 - —
N. 1A, bbls., l.c.l.....lb. .40 - —
No. 2, bbls., l.c.l.....lb. .39 - —
No. 3, bbls., l.c.l.....lb. .37 - —
liquid, No. 0, bbls., l.c.l.....lb. .21½- —
No. 1, bbls., l.c.l.....lb. .20 - —
No. 2, bbls., l.c.l.....lb. .19 - —
No. 3, bbls., l.c.l.....lb. .16½- —
solid, No. 1, bxs, l.c.l.....lb. .27 - —

## G

G salt, bbls.....lb. .55 - —
Galangal root, bls.....lb. .25 - 26
Gambier, plantation, bgs., ex dock..lb. .21 - 23
Extract, bbls.....lb. No stocks.
Gammapicoline, 95%, dms., c.l., works. lb. 1.35 - —
Gasoline, at refinery, ex tax, Arkansas, 73-75 octane, tanks.. gal. .0875- —
Bayonne, 74 octane, tanks....gal. .09 - —
Gulf coast, 73-75 octane, tanks. gal. .0825- .085
Group 3, 73-75 octane, tanks..gal. .0837½- 0900
Pennsylvania, western, U. S. motor, 74 octane, leaded, tanks. gal. 0975- 1000
natural, 26-70, octane group 3, tanks..gal. .0637½- —
Gelatin, silver label, ctns., dlvd.....lb. 1.25 - —
export, cs.....lb. 1.30 - —
Gelatin prices 5c. higher for deliveries in Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Tex., Utah, Wash, Wyo.
Gelsemium root, bls.....lb. .35 - .40
Gentian root, bls.....lb. .16 - .17
grd., bbls., bxs.....lb. .21 - .22
powd., bbls., bxs.....lb. .19 - .20
Geraniol, 92-96%, cns., dms.....lb. 3.40 - —
prime.....lb. 2.75 - —
Geranyl acetate, cns.....lb. 3.35 - 3.85
Ginger, oleoresin, bots.....lb. 4.25 - 4.75
Root, African, No. 1, bls.....lb .13 - .13½
Cochin, bleached, bgs.....lb. .16 - .16½
unbleached, bgs.....lb. .15 - .15½
Jamaica, No. 1, bgs.....lb. .18 - .18½
No. 2, bgs.....lb. .16 Nom.
No. 3, bgs.....lb. .15 Nom.
Rhattoon, bgs.....lb. .13½ Nom.
Glauber's salt, anhyd. (see Soda sulphate)
cryst., bgs, works.....100 lbs. 1.25 - 1.75
l.c.l., bgs., works.....100 lbs. 1.65 - 2.10

Glue, bone, calcium type, 24 millipoise, 36 jellygrams, bgs., c.l., East of Midwest..lb. .21 - .24
30/56, bgs., c.l., same basis...lb. .22 - .26
58/82, bgs., c.l., same basis...lb. .23 - .26
82/108, bgs., c.l., same basis..lb. .25 - 27
Bone glue, l.c.l. prices 1c. higher than c.l.
Hide, 100-121 (jelly test in grams), bgs., c.l., dlvd..lb. .20 - .25½
122-149, bgs., c.l., dlvd.....lb. .21 - .25½
150-177, bgs., c.l., dlvd.....lb. .22 - .27
178-206, bgs., c.l., dlvd.....lb. .23 - .28
207-236, bgs., c.l., dlvd.....lb. .24 - .29
237-266, bgs., c.l., dlvd.....lb. .25 - .30
267-298, bgs., c.l., dlvd.....lb. .26 - .31
299-330, bgs., c.l., dlvd.....lb. .27 - .32
331-362, bgs., c.l., dlvd.....lb. .28 - .33
363-394, bgs., c.l., dlvd.....lb. .29 - .34
395-427, bgs., c.l., dlvd.....lb. .30 - .35
428-460, bgs., c.l., dlvd.....lb. .31 - .36
461-494, bgs., c.l., dlvd.....lb. .32 - .37
495-529, bgs., c.l., dlvd.....lb. .33 - .38
Hide glue l.c.l. prices 1c. higher than c.l.; bbls., ½c. more than bgs.
Glycerin, crude, saponification, 88%, to refiners, tanks, dlvd..lb. .23 - 24
soaplye, 80%, tanks, dlvd.....lb. .22 - 23
dynamite, dms., c.l., dlvd.....lb. .29½- —
l.c.l., dlvd.....lb. .30 - —
tanks, dlvd.....lb. .29¼- —
high gravity, dms., c.l.....lb. .29½- —
l.c.l.....lb. .30 - —
tanks.....lb. .29¼- —
refined, BP, 98%, dms., c.l.....lb. .29¾- —
tanks.....lb. .29½- —
USP, 95%, dms., c.l.....lb. .29½- —
l.c.l.....lb. .30 - —
tanks.....lb. .29¼- —
yellow, distilled, dms., c.l.....lb. .29⅞- —
l.c.l.....lb. .29⅝- —

Glycine, USP (see Acid, aminoacetic).
Glycol boriborate, dms.....lb. .22 - —
Stearate, dms.....lb. .26 - —
Gold chloride, acid-brown, bots.....oz.20.00 -20.50
acid-yellow, bots.....oz.18.75 -19.00
Gold of pleasure seed, bgs., futures..lb. .30 - .31
Goldenseal root, bls.....lb. 7.25 - 7.30
powd., bxs.....lb. 7.75 - 7.80
Gold-sodium chloride, photo, bots...oz.13.00 -13.50
USP IX, bots.....oz.14.00 -14.50
Grains of paradise, bgs.....lb. .40 - .42
Graphite, imported, amorph., powd., bgs., dlvd..lb. .04 - .06
crystalline, 88-90%, powd., bgs., ex whse..lb. .14 - .16
90-92%, powd., bgs., ex whse. lb. .16 - .19
97%, powd., bgs., ex whse....lb. .22 - .26
flake, No. 1, 90-95%, bgs., ctns., ex whse..lb. .21 - .22
No. 2, bgs., ex whse.....lb. .22 - .24
Grease, house, loose.....lb. .20¼- —
White, choice, loose.....lb. .23 - —
Wool (see Degras and Lanolin).
Yellow, loose.....lb. .20½- —
Green, brilliant, thioflavin toner, molybdic, kgs., works..lb. 4.25 - 4.50
Tungstic, kgs., works.....lb. 4.25 - 4.50
Chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N.C. E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .32 - —
6-10%, bbls., same basis..lb. .33 - —
11-15%, bbls., same basis..lb. 34 - —
16-20%, bbls., same basis..lb. 34½- —

### Ethylene Dichloride—Green, Chrome, Reduced

Green, chrome, CP, color content 21-25%, bbls., same basis..lb. .35½- —
26-30%, bbls., same basis..lb. .35⅝- —
31-35%, bbls., same basis..lb. .35½- —
36-40%, bbls., same basis..lb. .38½- —
41-45%, bbls., same basis..lb. .40 - —
46-50%, bbls., same basis..lb. .41¾- —
50% and over, bbls., same basis..lb. .42¾- —
reduced color, 5%, bbls., same basis..lb. .10 - —
6-10%, bbls., same basis..lb. .10¾- —
11-13%, bbls., same basis..lb. .11½- —
14-16%, bbls., same basis..lb. .12 - —
17-19%, bbls., same basis..lb. .12½- —
20-21%, bbls., same basis..lb. .12½- —
22-23%, bbls., same basis..lb. .12⅝- —
24-25%, bbls., same basis..lb. .13 - —
26-27%, bbls., same basis..lb. .13½- —
28-29%, bbls., same basis..lb. .14 - —
30-31%, bbls., same basis..lb. .15 - —
32-33%, bbls., same basis..lb. .16½- —
34-35%, bbls., same basis..lb. .17½- —
36-40%, bbls., same basis..lb. .20 - —
41-45%, bbls., same basis..lb. .22½- —
46-50%, bbls., same basis..lb. .25¾- —
51-55%, bbls., same basis..lb. .28½- —
56-60%, bbls., same basis..lb. .24 - —
61-65%, bbls., same basis..lb. .25 - —
66-70%, bbls., same basis..lb. .26½- —
Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La (Shreveport, 1½c), Miss., N. C., S. C., Tenn., Texas (Dallas Ft. Worth, 1½c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

# "Pittsburgh"

*SPECIALISTS IN CHEMICALS DERIVED FROM COAL, TAR AND BY-PRODUCT GAS*

Unlocking the chemical treasure house of coal, and extracting and recovering its multifold components for the uses of science, industry and commerce, is the business of Pittsburgh Coke & Chemical Company.

Here modern plant facilities, earnest and foresighted research, favorable shipping location and advantageous sources of supply combine to assure you of dependable, uniform, quality chemicals.

Expanding volume and range of products and increasing capacities make *Pittsburgh* better able to serve you than ever. Our technicians will welcome an opportunity to discuss your needs.

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**Coke and Chemical Products**

AROMATIC HYDROCARBONS:
BENZOL, TOLUOL, XYLOL, NAPHTHALENE
TAR ACIDS: PHENOL, CRESOLS
SULPHURIC ACID: ALL GRADES
TAR, PITCH and CREOSOTE
SULPHATE OF AMMONIA
TAR BASES: PYRIDINE, PICOLINES
SODIUM CYANIDE · SODIUM THIOCYANATE
ACTIVATED CARBONS

*OTHER PRODUCTS:*
NEVILLE COKE—EMERALD COAL—PIG IRON—GREEN BAG CEMENTS—CONCRETE PIPE—LIMESTONE PRODUCTS—IRON ORE

*INQUIRIES INVITED*

P C&C O

*CHEMICAL SALES DIVISION*
**Pittsburgh Coke & Chemical Company**
Grant Building · Pittsburgh 19, Pennsylvania

## Green, Chromium, Oxide—Iron-Ammonium Oxalate

Green, chromium, oxide, hydrated, bbls., works..lb. .85 - —
pure, bgs., works.....lb. .30 - .31
Malachite, thioflavin toner, molybdic, bbls., works..lb. 3.00 - —
Tungstic, bbls., works.....lb. 3.40 - —
Paris (see P).
Phthalocyanin toner, bbls., works, lb. 4.40 - 5.00
Tungstated, brilliant, kgs.....lb. 3.00 - 4.00
Emerald, kgs.....lb. 2.60 - —
Verdigris (see V).
Green dyes (see Dyes, coaltar).
Grindelia robusta herb, bls.....lb. .80 - .35
Guaiac resin, cs.....lb. .48 - .49
Wood, bls.....lb. .35 - .36
Guaiacol, cryst., NF, tins.....lb. 1.75 - —
liquid, NF, bots., cbys.....lb. 1.80 - —
Carbonate, NF, dms.....lb. 2.85 - —
Guarana, powd., cs.....lb. 2.00 - 2.10
Gum, accroides (see Gum, yacca).
Aloe (see A).
Ammoniac, tears, cs.....lb. .90 - .95
Arabic, amber, sorts, bgs.....lb. .14½- .15
white, sorts, 1, bgs.....lb. .28 - .29
powdered, USP, bbls.....lb. .20½- .21
Asafetida (see A).
Asphaltum (see A).
Benzoin, Sumatra, cs.....lb. .50 - .55
Camphor (see C).
Copal, Congo, No. 1, bgs.....lb. .25 - .27
No. 2, bgs.....lb. .21 - .23
No. 3, bgs.....lb. .19 - .21
Macassar DBB, bgs.....lb. .24 - .25
MA, bgs.....lb. .24 - .25
Ioba C, bgs.....lb. .28½- .30
Dammar, Batavia, AE, cs.....lb. .27 - .29
E, cs.....lb. .18½- .20½
Singapore, No. 1, cs.....lb. .27½- .29½
No. 2, cs.....lb. .24 - .26
Gum, dammar, East India, black, bold, bgs..lb. .14½- .16
batu, bold, bgs.....lb. .11 - .12½
Elemi, cns.....lb. .27 - .29
Ester, gum-rosin type, dms., c.l., divd. Ill., Ind., Ky., Mich., Mid-Atl. States, N. E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va.....lb. .16¾- —
wood-rosin type, dms., any quantity, divd., Ill., Ind., etc..lb. .16¾- —
Euphorbium, cs.....lb. 1.50 Nom.
Galbanum, cs.....lb. .85 - .90
Gamboge, pipe, cs.....lb. 1.70 - 2.00
powd., bbls.....lb. 1.95 - 2.25
Ghatti, No. 2, bgs.....lb. .35 - .37
No. 3, bgs.....lb. .31 - .33
Guaiac (see Gualac resin).
Karaya, No. 1.....lb. .46 - .51
No. 2.....lb. .38 - .43
No. 3.....lb. .33 - .36
No. 4.....lb. .28 - .31
No. 5.....lb. .23 - .27
No. 6.....lb. .20 - .22
Kauri, bgs.....lb. .31 - —
Locust bean, powd., bgs.....lb. .42 - .43
Mastic, cs.....lb. 3.50 - —
Myrrh, cs.....lb. .45 - .46
Olibanum, siftings, cs.....lb. .12 - .13
tears, cs.....lb. .22 - .38
Opium (see O).
Red (see Gum yacca).
Rosin (see R).
Sandarac, cks.....lb. .95 - 1.00
Scammony, cs.....lb. 1.50 - 1.55
Sterculia (see Gum, karaya).
Talha, bgs.....lb. .10 - .11
Tragacanth, No. 1, cs.....lb. 3.60 - 3.70
No. 2, cs.....lb. 3.20 - 3.25
No. 3, cs.....lb. 2.25 - 2.50
powdered, USP, bbls.....lb. 1.33 - 1.45
Yacca, bgs.....lb. .06 - .07
Gypsum, Keene's cement, paper bgs., c.l., Acme, Tex., frt. equald... ton.23.65 - —
Harlem river, N. Y., frt. equald. ton.28.25 - —
Medicine Lodge, Kans., frt. equald..ton.17.00 - —
New Brighton, N. Y., frt. equald. ton.30.65 - —
Southard, Okla., frt. equald.ton.17.00 - —
Sweetwater, Tex., frt. equald... ton.21.45 - —
Plaster of paris, paper bgs., c.l., Acme, Texas, frt. equald..ton.12.50 - —
Blue Rapids, Kans., frt. equald. ton.10.50 - —
Harlem river, N. Y., frt. equald. ton.12.00 - —
Medicine Lodge, Kan., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald. ton.13.00 - —
Southard, Okla., frt. equald.ton.12.50 - —
Sweetwater, Tex., frt. equald... ton.12.50 - —
Stucco, paper bgs., c.l., Acme, Texas, frt. equald..ton. 8.00 - —
Akron, N. Y., frt. equald...ton. 8.00 - —
Blue Rapids, Kans., frt. equald. ton. 8.00 —
Clarence Center, N. Y., frt. equald..ton. 8.00 - —
Fort Dodge, Iowa, frt. equald. ton. 8.00 —
Grand Rapids, Mich., frt. equald..ton. 8.00 - —
Gypsum, Ohio, frt. equald.ton. 8.00 - —
Harlem river, N. Y., frt. equald. ton. 8.00 —
National City, Mich., frt. equald. ton. 8.00 - —
New Brighton, N. Y., frt. equald. ton. 8.00 - —
Plasterco, Ga., frt. equald.ton. 8.00 - —
Portsmouth, N. H., frt. equald ton. 8.00 - —
Gypsum, stucco, Roton, Texas, frt. equald..ton. 8.00 - —
Saltville, Va., frt. equald..ton. 9.00 - —
Southard, Okla., frt. equald.ton. 8.00 - —
Sweetwater, Texas, frt. equald. ton. 8.00 - —
Saltville, Va., frt. equald....ton. 9.00 - —
Terra alba, paper bgs., c.l., Harlem river, N. Y.; works..ton.22.50 - —
New Brighton, N. Y., works... ton.21.00 - —

## H

Hawthorn berries, bgs.....lb. .57 - .58
Heliotropin, cryst., cns.....lb. 2.95 - 4.00
Hellebore, white, powd., bbls.....lb. .70 - .71
Helonias root, bls.....lb. 2.20 - 2.25
Hematine extract, cryst., No. 0, bbls., l.c.l...lb. .44 - —
No. 1, bbls., l.c.l.....lb. .43 - —
No. 1A, bbls., l.c.l.....lb. .40 - —
No. 2, bbls., l.c.l.....lb. .39 - —
No. 3, bbls., l.c.l.....lb. .37 - —
No. 4, bbls., l.c.l.....lb. .35 - —
No. 5, bbls., l.c.l.....lb. .33 - —
paste, No. 1, bbls., l.c.l.....lb. .18½- —
No. 2, bbls., l.c.l.....lb. .17½- —
No. 3, bbls., l.c.l.....lb. .16½- —
No. 4, (red), bbls., l.c.l.....lb. .12 - —
Hemlock bark extract, 25% tannin, bbls., c.l., works..lb. No stocks
tanks, works.....lb. No stocks
Henbane leaves, bls.....lb. 1.00 - 1.25
Henna leaves, bls.....lb. .25 - .28
powd., bbls., bxs.....lb. .34 - .36
Heptane, industrial, 90°-100° C., dms., c.l., group 3..gal. .13½- 16
l.c.l., group 3.....gal. .19 - .35
tanks, group 3.....gal. .10¼- .10½
77°-115° C., dms., c.l., group 3..gal. .13½- .17
l.c.l., group 3.....gal. .19 - .35
tanks, group 3.....gal. .10¼- .11
laboratory, dms., c.l., group 3..gal. .16 - —
l.c.l., group 3.....gal. .29 - .55
Hexalin (see Cyclohexanol).
Hexaethyl tetraphosphate, cns., works, lb. 1.25 - —
dms., c.l., works.....lb. .80 - —
l.c.l., works.....lb. .90 - 1.00
Hexamethylene-tetramine, tech., bbls., 1,000-lb. lots, Perth Amboy or N.Y.C..lb. .28 - —
smaller lots, same basis.....lb. .29 - —
USP, dms., 500 lbs or more, same basis..lb. .35 - —
smaller lots, same basis.....lb. .36 - —
Hexane, industrial, 60°-70° C., dms., c.l., group 3..gal. .14¼- .17
l.c.l., group 3.....gal. .19 - .35
tanks, group 3.....gal. .11 - .12
laboratory, dms., c.l., group 3...gal. .16 - —
l.c.l., group 3.....gal. .29 - .55
Hexanol, normal, dms., l.c.l, works.lb .25 - —
Homatropine hydrobromide, bots...oz.15.00 -25.00
Hydrochloride, bots.....oz.20.00 -22.00
Hoofmeal, 17-18% ammonia bulk, c.l., Chicago..unit-ton. 8.50 - —
Hops, NF, bls.....lb .55 - 1.30
Horehound, bls.....lb. .12 - .18
Hydrangea, root, bls.....lb. .22 - .25
Hydrastine, bots.....oz.20.00 -22.00
Sulphate, bots.....oz.29.00 -32.00
Hydrastinine, 10-grain bots.....bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrofuramide dms., flo cns., works, lb. .30 - .40
Hydrogen peroxide, USP, bbls.....lb. .03¾- .05
100 vols., cbys., E. of Miss. or West coast via Panama Canal..lb. .15½- .18½
Hydroquinone, bbls., dms.....lb. .90 - .94
Hydroxycitronellal, cns.....lb. 6.50 - 7.50
Hyoscine hydrobromide, bots.....oz.39.00 -45.00
Hyoscyamine, bots.....oz.18.00 -20.00
Hydrobromide, bots.....oz.18.00 -19.50
Sulphate, bots.....oz.14.00 -19.50
Hypernic extract, cryst, No. 1, bbls., l.c.l...lb. .51 - —
No. 2, bbls., l.c.l.....lb. .43 - —
liquid, No. 1, bbls., l.c.l.....lb. .28 - —
No. 2, bbls., l.c.l.....lb. .23 - —
solid, No. 1, bxs., l.c.l.....lb. .40 - —
Hyssop herb, bgs.....lb. .55 - .60
Leaves, bgs.....lb. .60 - .70

## I

Iceland moss, bgs.....lb. .50 - .52
Ichthammol, NF, bots.....lb. 2.45 - —
Indian red (see Red, Indian).
Indigo, nat., chests.....lb. 2.14 - 2.30
synth., paste, bots.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb.18.50 -23.00
Inositol, tins, werks.....lb. 5.00 - —
Insect flowers (see Pyrethrum).
Iodine, crude, kgs., ex whse., Staten Island..lb. 1.729 - —
resubl., bots., jars.....lb. 2.35 - 2.65
Iodoform, dms., kgs.....lb. 4.45 - —
Ionone ketone, alpha, cns.....lb.12.50 -16.40
beta, cns.....lb. 9.00 -12.50
pure, cns.....lb. 5.65 - 7.95
Methyl (see M)
IPC, bots., 1-5 lbs.....2.68 - 2.72
fib. dms., 100 lbs., ship't. point...lb. 2.30 - 2.50
50 lbs., ship't. point.....lb. 2.40 - 2.52
10-25 lbs., ship't. point.....lb. 2.50 - 2.54
Ipecac root, bgs.....lb. 5.25 - 5.30
powd., bgs.....lb. 5.45 - 5.50
Irish moss, bleached, prime, bls....lb. .20 - .21
Iron acetate, liquor, 28°, bbls., c.l., works..lb. .09 - —
l.c.l., works.....lb. .09¾- —
solut., USP 1X, cbys.....lb. .17 - —
djns.....lb. .18 - —
Chloride (ferric), anhydr., tech., dms., c.l., works..100 lbs. 4.90 - 5.25
l.c.l., works.....100 lbs. 6.50 - 6.85
cryst., tech., bbls., works, frt. alld, 100 lbs. 4.00 - 6.00
USP X, lump, bbls.....lb. .07 - .08½
solut., 42 Be, cbys., works, frt. alld. or equald..lb. .05½- .06
djns., same basis.....lb. .10 - —
Citrate, gran., dms.....lb. .77 - .79
Glycerophosphate, N.F., powd....lb. 4.35 - —
Hypophosphite, bbls., dms.....lb. 1.50 - 1.52
Iodide, bots.....lb. 3.48 - 3.63
Naphthenate, 6% Fe, dms.....lb. .19½- —
Nitrate, red, tech., dms.....lb. .03½- .04
Oxalate, gran., dms.....lb. .83 - .85
Phosphate, soluble, NF, gran., cs..lb. .64 - .65
Pyrophosphate, soluble, NF VII, gran., dms..lb. .69 - .72
Reduced, 90%, kgs.....lb. .65 - .75
Resinate, 7.4% Fe, dms.....lb. .22 - —
Stearate, dms., c.l.....lb. .46 - —
ton lots.....lb. .47 - —
less ton lots.....lb. .48 - —
Sulphate (ferric), anhyd., bgs., c.l., works..ton.35.00 - —
l.c.l., works.....ton.40.00 - —
partially hydrated, bgs., c.l., works..ton.26.50 - —
(ferrous), tech. (see Copperas).
USP, cryst., bbls., dms.....lb. .06 - .08
Iron-ammonium citrate, brown, green, gran., dms..lb. .45 - .48
Oxalate, bbls.....lb. .23½- —
dms., kgs.....lb. .25½- .26½

*The Modern Way*

**TO BETTER PAINTS AND PRINTING INKS**

Production records of many leading paint, varnish, enamel and printing ink manufacturers proves that the addition of Centrol 4 Lecithin to their formulas results in:

**Quicker Wetting of Pigments**
**Better Pigment Dispersion**
**Reduction in Grinding Time**
**Controlled Consistency**

Centrol 4 Lecithin, a colloidal phosphatide compound, possesses exceptional wetting and dispersion properties in the manufacturing of paint, enamel, varnish, printing ink and putty. It also materially increases the penetrating qualities of wood preservatives and penetrating oils.

**INCREASE YOUR PRODUCTION RATE**

Centrol Lecithin increases the affinity of all hydrophilic pigments and many of the organophilic group for the vehicle, whether oil, alkyd, resins or varnish. It reduces surface and inter-facial tensions. As a result—grinding time is reduced to a minimum. Many users have increased their production rates as much as 40%.

In addition, Centrol Lecithin will improve the value of your surface coatings by eliminating or minimizing color floating or flooding and pigment settling. The brushing properties will be improved, with less sag or drag. Better leveling, spreading and pentration will be obtained.

*Write today for the latest Technical Bulletins "Centrol 4 Lecithin for Protective Coatings and Printing Inks." Learn all the facts about how Centrol 4 Lecithin can improve your product.*

Centrol Lecithin production is controlled by rigid standards and specifications to a uniform high quality, and is available in 25, 50, 125, 260 and 500 lb. steel pails and drums.

CENTRAL
SOYA PRODUCTS
CENTROL
LECITHIN
MANUFACTURERS OF
Central Lecithin, Central Soy Albumen, and Specialized Central Soy Flours
One of the World's Largest Soybean Processors
CENTRAL SOYA CO., INC., FORT WAYNE 2, IND.

Iron-sodium oxalate, fine gran., bbls., dms..lb. .23½- .26½
Isobornyl acetate, cns.....lb. .97 - 1.10
Thiocyanoacetate, dms., c.l., works gal. 4.35 - —
l.c.l., works.....gal. 4.45 - 4.55
tanks, works.....gal. 4.23 - —
Isobutyl acetate, cns.....lb. .97 - 1.10
Methacrylate, M-5, dms., works...lb. .60 - —
cns., works.....lb. .63 - .67
P-5, cns., works.....lb. .60 - —
Propionate cas. .....lb. No prices.
Isobutyraldehyde, dms., works.....lb. .33 - .36
Isoeugenol, extra, cns.....lb. 3.25 - 4.00
chys., extra .....lb. 3.25 - —
Isopentane dms., works.....lb. .45 - .55
Isophorone, dms., c.l., works.....lb. .21 - —
l.c.l., works .....lb. .22 - —
tanks, works .....lb. .20 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., c.l., frt. alld., E. of Rockies..lb. .1160- .1250
l.c.l., same basis.....lb. .1210- .1300
tanks, same basis.....lb. .1160- .1160
Alcohol (see Alcohol, isopropyl).
Ether (see Ether, isopropyl).
Phenylcarbamate (see IPC).
Isopropylamine, dms., works.....lb 35 - —

## J

Jaborandi leaves, bls.....lb. .18 - .19
Jalap root, NF, bls.....lb. .44 - .49
powd., bbls., bxs.....lb. .50 - .55
Resin, lump, cns.....lb. 5.85 - —
powd., bxs.....lb. 5.90 - —
Juniper berries, bgs.....lb. .12 - .20
Tar, USP, dms. .....lb. .50 - .92

## K

Kamala, powd., cns.....lb. .46 - .48
Kaolin (see China clay).
Kava kava root, bls.....lb. .35 - .40
Kerosene, at refinery: Ark., 42-44 w.w., tanks..gal. .0725- .0850
Bayonne, 41-43, w.w., tanks....gal. .082 - —
California, 40-43, w.w., tanks..gal. .0829- .1003
Gulf ports, 41-43, w.w., tanks..gal. .0675- .0725
Okla.-Tex., 41-43 w.w., tanks..gal. .07375- .08125
Penn., 45 w.w., tanks.....gal. .0925- .0950
47 w.w., tanks.....gal. .095 - .10
Kola nuts, bgs.....lb. .08 - .09
Kyanite, imp., low iron content, 10-mesh, whse..ton. 85.00 -95.00
calcined, grain, 10-mesh, whse..ton. 95.00 -105.00

## L

Ladyslipper root, bls.....lb. 1.75 - 1.80
Lanolin, anhyd., cosmetic, dms., works, lb. .25 - —
USP, dms., works.....lb. .23 - —
hydrous, cosmetic, dms., works....lb. .23½- —
USP, dms., works.....lb. .21½- —
Lard, cash, trcs., Chicago.....lb. .24¾- .25
Larkspur seed, bgs.....lb. .55 - .57
Laurel berries, bls.....lb. .25 - .26
Leaves, Algerian, bls.....lb. .13 - .13¼
Cyprian, bls. .....lb. .28 Nom.
Greek, bls.....lb. .11½- .12
Portuguese, choice, bls.....lb. .10½- .11
ordinary, bls.....lb. .09½- .10
Turkish, choice, bls.....lb. .17 - .17¼
ordinary, bls. .....lb. .10½- .11
Lavender flowers, medium, bls.....lb. .06 - —
ordinary, bls.....lb. .31 - —
select, bls.....lb. .75 - —
Lead acetate, white, broken, bbls..lb. .18½- —
cryst., bbls. .....lb. .19¼- —
gran., powd., bbls.....lb. .19¼- —
Arsenate, basic, powder, 3-lb. bgs. or larger, c.l..lb. .21¾- —
l.c.l. .....lb. .22¾- .23¾
1-lb. bgs., c.l.....lb. .20¼- —
l.c.l. .....lb. .30¼- .31¼
Lead arsenate prices are works or whse. basis, frt. alld. on 96 lbs. or more to dest. East.
Blue, basic sulphate, bbls., c.l., ship't point, frt. alld..lb. .15¼- —
l.c.l., works.....lb. .15½- —
Carbonate (see Lead, white).
Chloride, fib. dms.....lb. .49 - —
Iodide, NF V, jars.....lb. 2.90 - 3.05
Linoleate, solid, 13%, bbls.....lb. .41¾- —
Metal, pigs, prime, N. Y.....lb. .15 - —
E. St. Louis.....lb. .1480- .1495
Metallic paste, dms., 10,000-40,000 lbs., works..lb. .27½- —
2,000-10,000 lbs., same basis....lb. .28½- —
up to 2,000 lbs., same basis....lb. .30 - —
Naphthenate, liquid, 21% Pb, dms.lb. .20½- —
30% Pb, dms.....lb. .24¾- —
solid, 37% Pb, dms.....lb. .27½- —
Nitrate, bbls., c.l.....lb. .17¾- —
l.c.l .....lb. .18 - —
Oleate, bbls. .....lb. .26¼- —
Peroxide, powd., tech., bbls.....lb. .29 - .31
Red, 95% $Pb_3O_4$ or less, bbls., c.l., ship't point, frt. alld..lb. .1760- —
l.c.l., 5 tons, same basis.....lb. .1800- —
smaller lots, same basis...lb. .1850- .1900
97% $Pb_3O_4$, bbls., c.l., same basis.lb. .1785- —
l.c.l., 5 tons, same basis.....lb. .1825- —
smaller lots, same basis....lb. .1875- —
98% $Pb_3O_4$, bbls., c.l., same basis. lb. .1810- —
l.c.l., 5 tons, same basis.....lb. .1850- —
smaller lots, same basis....lb. .1900- —
Resinate, precip., 23.8% Pb., dms. lb. .25 - —
Silicate, bgs.....lb. .17 - .17½
Soyate, 26.15% Pb., dms.....lb. .33¾- —
Stearate, bbls., c.l.....lb. .48 - —
ton lots .....lb. .49 - —
less ton lots.....lb. .50 - —
Sulphate (see Lead, blue; Lead, white, basic sulphate)
Tallate, liquid, 16% Pb, dms.....lb. .14 - —
solid, 30% Pb, dms.....lb. .19 - —
White, basic carbonate, bbls., c.l., ship't point, frt. alld..lb. .15¾- .16
l.c.l., works.....lb. .16 - .16¼
basic sulphate, bbls., c.l., ship't ship't point, frt. alld..lb. .15¼- —
l.c.l., works.....lb. .15½- —
Lecithin, edible, tech., bleached, dms., non-ret., c.l., works..lb. .28 - —
l.c.l., same basis.....lb. .26 - .31
unbleached, c.l., same basis....lb. .26 - —
l.c.l., same basis.....lb. .25 - .29
Lemon peel, bls.....lb. .35 - .40
Licorice extract, mass, cns.....lb. .40 - .42
powd., bbls.....lb. .60 - .62
Root, bls.....lb. .09 - .10
5-lb. bundles, cs.....lb. .60 - .65
powd., bbls.....lb. .14 - .15
Lignin extract, tanning grade, bgs., c.l., works..lb. .04¾- —
Lime, agricultural, bulk, works..tons. 9.00 - 9.50
Chemical (quicklime), lump, pebble, bulk, Adams, Mass.....ton. 9.00 - —
Annville, Pa. .....ton. 9.00 - —
Bellefonte, Pa.....ton. 9.00 - —
Berkeley, W. Va.....ton. 9.00 - —
Buffalo, N. Y.....ton. 10.75 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hallow, Pa.....ton. 9.50 - —
Crab Orchard, Tenn.....ton. 8.50 - —
Eagle Mountain, Va.....ton. 8.50 - —
Farnams, Mass.....ton. 9.00 - —
Gibsonburg, Ohio.....ton. 7.50 - —
Hannibal, Mo.....ton. 7.50 - —

Lime, chemical (quicklime), lump, pebble, bulk, Keystone, Ala..ton. 8.50 - —
Knoxville, Tenn.....ton. 8.50 - —
Limedale, Ark. .....ton. 8.00 - —
Longview, Ala.....ton. 8.50 - —
Mitchell, Ind.....ton. 7.50 - —
Newala, Ala.....ton. 8.50 - —
Manistique, Mich.....ton. 8.00 - —
Marblehead, Ohio.....ton. 8.50 - —
Martinsburg, W. Va.....ton. 9.00 - —
Menominee, Mich .....ton 8.00 - —
Ripplemead, Va.....ton. 8.50 - —
Riverton, Va.....ton. 8.50 - —
Rockland, Maine.....ton. 8.00 - —
Scioto, Ohio.....ton. 6.50 - —
Sherwood, Tenn.....ton. 8.39 - —
Sherwood, Wis.....ton. 8.50 - —
Springfield, Mo.....ton. 8.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton 8.50 - —
hydrated, paper bgs., Adams, Mass..ton. 11.25 - —
Annville, Pa.....ton. 11.50 - —
Bellefonte, Pa.....ton. 11.50 - —
Berkeley, W. Va.....ton. 10.00 - —
Buffalo, N. Y.....ton. 11.50 - —
Carey, Ohio.....ton. 9.00 - —
Cedar Hollow, Pa.....ton. 11.50 - —
Crab Orchard, Tenn.....ton. 11.65 - —
Eagle Mountain, Va.....ton. 10.00 - —
Engle, W. Va.....ton. 11.50 - —
Farnams, Mass.....ton. 11.00 - —
Gibsonburg, Ohio.....ton. 9.50 - —
Hannibal, Mo.....ton. 9.50 - —
Keystone, Ala. .....ton. 12.25 - —
Knoxville, Tenn.....ton. 11.00 - —
LeRoy, Minn.....ton. 10.00 - —
Limedale, Ark.....ton. 10.00 - —
Longview, Ala. .....ton. 12.25 - —
Marblehead, Ohio.....ton. 10.50 - —
Mitchell, Ind.....ton. 10.00 - —
Manistique, Mich .....ton. 9.50 - —

Lime, hydrated, paper bgs., Newala, Ala..ton. 12.25 - —
Petoskey, Mich.....ton 10.00 - —
Port Island, Mich.....ton. 9.00 - —
Rapid City, S. Dak.....ton. 12.00 - —
Ripplemead, Va.....ton. 10.00 - —
Rockland, Maine.....ton. 9.00 - —
Scioto, Ohio.....ton. 8.00 - —
Sherwood, Tenn.....ton. 12.14 - —
Sherwood, Wis.....ton. 10.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 11.50 - —
Spray, paper bgs., Adams, Mass..ton. 11.75 - —
Annville, Pa.....ton. 11.50 - —
Bellefonte, Pa.....ton. 11.50 - —
Carey, Ohio.....ton. 11.00 - —
Engle, W. Va.....ton. 11.50 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio.....ton. 10.00 - —
Marblehead, Ohio.....ton. 10.00 - —
Rockland, Me.....ton. 10.00 - —
Scioto, Ohio.....ton. 10.00 - —
Woodville, Ohio.....ton. 10.00 - —
York, Pa.....ton. 11.50 - —
Lime salts (see Calcium).
Lime-ammonia-nitrogen, 20.5% N (see Ammonium nitrate-limestone).
Limestone, grd., bulk, works.....ton. 1.40 - —
Linalool, ex bois de rose.....lb. 5.40 - 6.85
ex lignaloe wood.....lb. 6.50 - 7.00
Linalyl acetate, ex bois de rose, bots.lb. 4.60 - 7.20
ex lignaloe wood, bots.....lb. 8.25 - 8.40
ex petitgrain, bots.....lb. 5.10 6.35
Linden flowers with leaves, bls.....lb. .35 - .36
without leaves, bls.....lb. .35 - .36
Linseed meal, 34% bulk, Midwest mills. ton. 84.00 - —

## Iron-Sodium Oxalate—Lycopodium

Litharge, com'l, powd., bbls., c.l., ship't point, frt. alld..lb. .1660- —
l.c.l., 5 tons, same basis..lb. .17 - —
smaller lots, same basis.....lb. .1750- .1760
Lithium bromide, bbls., works, frt. equald..lb. 1.90 - —
Carbonate, NF, bbls. bgs.....lb. 1.15 - —
Chloride, jars.....lb. 1.15 - 1.65
Citrate, bbls., dms., kgs.....lb. 1.30 - 1.45
Fluoride, bbls.....lb. 1.90 - —
Hydroxide, jars.....lb. 1.15 - 1.25
Lithopone, ordinary, bgs., c.l., ship't point..lb. .06 - —
l.c.l., same basis.....lb. .06¼- —
bbls., c.l., same basis.....lb. .06¼- —
l.c.l., same basis.....lb. .06½- —
Titanated (high-strength), bgs. c.l. lb. .07¾- —
smaller lots.....lb. .08 - —
bbls., c.l .....lb. .08 - —
smaller lots.....lb. .08¼- —
Lithopone Pac. Cst. prices ¼c. higher.
Liverwort leaves, bls.....lb. .70 - .75
Lobelia herb, bls.....lb. .80 - .85
Lobeline sulphate, bots., works...oz. 25.50 -33.00
Logwood extract, crystals, No. 1, bbls., l.c.l..lb. .37 - —
No. 2, bbls., l.c.l.....lb. .35 - —
liquid, No. 1, bbls., l.c.l.....lb. .18 - —
No. 2, bbls., l.c.l.....lb. .17 - —
No. 3, bbls., l.c.l.....lb. .16½- —
No. 4, bbls., l.c.l.....lb. .16 - —
solid, No. 1, bxs., l.c.l.....lb. .32 - —
No. 2, bxs., l.c.l.....lb. .30 - —
No. 4, bxs., l.c.l.....lb. .27½- —
No. 5, bxs., l.c.l.....lb. .25½- —
No. 6, bxs., l.c.l.....lb. .43½- .48¼
Lovage root, imp., bls.....lb. 1.20 - 1.25
Lupulin, NF VII tin.....lb. 10.00 -11.00
Lycopodium, NF, cs.....lb. 2.50 - 2.75


What other Pigment can make this Statement...?

White Lead Adds MORE of the Properties that make Good Paint

Quality speaks for itself.

That's true of your house paint.

And it's true of our Basic Carbonate White Lead.

But there's no need to tell you how good White Lead *itself* is...

What's more important to you is that White Lead also makes paint good. And makes good paint easy to make.

In fact you get 14 paint-making properties when you include this one pigment in your formulations.

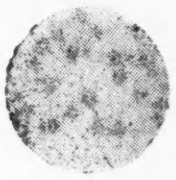
Check the list above. Basic Carbonate White Lead not only offers all 14, but imparts them to paints in well-balanced proportion.

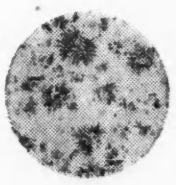
* * *

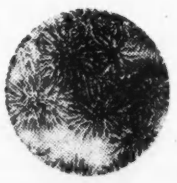
Many of these paint-making benefits stem directly from White Lead's unique ability to form lead "soaps." The "soap" story at the right tells you why.

* * *

Our technical staff is at your service to help you fit "Dutch Boy" Basic Carbonate White Leads into your formulations. Their recommendations are backed up by broad experience and 30 years of continuous paint fence testing—the longest project of its kind on record.







L.S.M.F.P.

*Lead Soaps Mean Fine Paint*

White Lead combines with oil to produce a distinctive type of "soap" formation, with a fibrous structure consisting of multiple projections radiating from a central core.

The photomicrographs at the left show how the soaps progressively spread out as they grow and thus mechanically re-inforce the paint film, giving it greater toughness and weather resistance.

It is also characteristic of lead "soaps" that they allow movement all along their intermeshing projections. This action helps improve both elasticity and adhesion.

The tendency of White Lead to react with linseed oil also explains why this pigment wets easily and thus mixes and grinds well.

NATIONAL LEAD COMPANY—New York 6; Buffalo 3; Chicago 8; Cincinnati 1; Cleveland 13; St. Louis 1; San Francisco 10; Boston 6. (National Lead Co. of Mass.); Philadelphia 7, (John T. Lewis & Bros. Co.); Pittsburgh 30, (National Lead Co. of Pa.).

Dutch Boy Basic Carbonate White Leads

Reg. U. S. Pat. Off.

**Mace—Oil, Lavandin**

# M

Mace, No. 1, Siauw, cs.....lb. 1.40 - 1.45
East Indian, bgs., futures.....lb. 1.40 - 1.45
West Indian, bgs., futures.....lb. 1.40 - 1.50
Broken, bgs., futures.....lb. 1.25 - 1.30
Madder, Dutch, bgs.....lb. 29 - 32
Magnesia, calcined, tech., bbls., works..lb. 29 - —
USP, bbls.....lb. 31 - 33
Magnesium arsenate, bgs., cans, works..lb. .29 .30
Bromide, dms.....lb. .90 - 1.00
Carbonate, tech., bgs., c.l., frt. equald..lb. 07¼- —
l.c.l., frt., alld.....lb. 08¼- —
bbls., c.l., frt. equald.....lb. 08½- —
l.c.l., frt. alld.....lb. 09½- —
kgs., c.l., frt. equald.....lb. 09¾- —
l.c.l., frt. alld.....lb. 10¾- —
USP, bgs., c.l., frt. equald.....lb. .09 - —
l.c.l., frt. alld.....lb. .10 - —
bbls., c.l., frt. equald.....lb. .09½- —
l.c.l., frt. alld.....lb. .10½- —
kgs., c.l., frt. equald.....lb. .10¾- —
l.c.l., frt. alld.....lb. 11¾- —

Magnesium carbonate is quoted frt. alld. to N. J., except to Atlantic, Burlington, Cape May, Cumberland, Glostershire, Ocean, and Salem counties, and to Phila. county, Pa. Frt. equald. with N. Y. C. on all other destinations.

Chloride, anhyd., bbls., dlvd.....lb. 12¾ —
flake, bbls., c.l., works.....ton.37.00 - —
l.c.l., works.....ton.44.00 -46.00
Fluoride, bbls.....lb. .20 - .25
Hydroxide, medicinal, bbls., dms., kgs.....lb. .29 - .30
Hypophosphite, cns.....lb. 1.45 - —
Laurate, bbls.....lb. .46 - .47
Metal, 98.8%, ingots, cs.....lb. .20½ - —
sticks, cs.....lb. .34 - .35
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works.....lb. 1.00 - 1.05
Phosphate, tribasic, USP bbls.....lb. .62 - .67
Silicate (see Talc).
Silicofluoride, bbls.....lb. .14 - .16
Stearate, ctns., 2,000 lbs. to c.l lb. .48 - —
smaller lots.....lb. .49 - —
Sulphate (see Epsom salt).
Trisilicate, dms., 1,000 lbs.....lb. .37 - —
smaller lots.....lb. .42 - —
Magnesite, calcined, powd., bgs., c.l., mines, Calif.....ton.60.00 - —
dead-burnt, bulk, c.l., Chewalah, Wash.ton.24.00 - —
Maleic anhydride, dms., c.l.....lb. .25 - —
l.c.l.....lb. .26 - —
Malva flowers, blacks, bls.....lb. No stocks
Blue, bls.....lb. 1.45 - 1.50
Leaves, bls.....lb. .40 - .41
Manaca root, bls.....lb. .49 - .50
Mandrake root, bls.....lb. .40 - .45
Manganese acetate, dms.....lb. .25½- —
Arsenate, bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .16 - .18
Carbonate, bbls.....lb. .19 - —
Chloride, anhyd., dms., works.....lb. .18 - .19
Dioxide, African, battery, 84%-87% bbls., 28-40 tons, works..ton.74.00 - —
smaller lots, works..ton.77.00 -82.00
burlap bgs., c.l., works, ton.71.75 - —
l.c.l., works.....ton.74.75 -79.79
paper bgs., c.l., works ton.70.00 - —
l.c.l., works.....ton.73.00 - —
85-90%, bbls., c.l., works..ton.74.00 - —
smaller lots, works.....ton.77.00 -82.00
Glycerophosphate, fib. dms.....lb. 4.25 - —
Hydrate, bbls., dlvd.....lb. .26 - —
Iodide jars.....lb. 5.55 - —
Linoleate, liquid, 4% Mn, dms.....lb. .41 - —
solid, precip., 8.2% Mn, bbls.....lb. .43 - —
Metal, cs., dlvd. East.....lb. .30 - .32
Naphthenate, liquid, 6% Mn, dms..lb. .21 - —
solid, 10% Mn, dms.....lb. 33¼- —
Resinate, fused, 5½% Mn, bbls.....lb. .09 - 10½
precip., dms.....lb. .20 - —
Soyate, 8.2% Mn, dms.....lb. .22 - —
Sulphate, anhyd., dms., works.....lb. No stocks
feed grade, 77-80%, bgs.....lb. .04 - .06
fertilizer grade, 65%, bgs., c.l., dlvd E..ton.56.00 - —
l.c.l., dlvd. E. of Balto. or Cincinnati..ton.63.00 - —
industrial grade, 80%, bgs.....lb. .05 - 05¾
75%, bgs., c.l., dlvd. East...ton.64.50 - —
l.c.l., same basis.....ton.71.50 - —
Tallate, liquid, 4% Mn, dms.....lb. No prices
solid, 8% Mn, dms.....lb. No prices
Mangrove bark, E. Africa, 38% tannin, c.l., ex dock..ton.58.00 -60.00
Manna, flake, large, cs.....lb. 1.50 - 1.55
small, cs.....lb. .70 - .75
Mannitol, com'l, bbls., works.....lb. .38 - .43
reagent, cs., works.....lb. .85 - —
Marjoram, Argentine, bls.....lb. .14 Nom.
Chilean, bls.....lb. .10¼- .10¾
futures, bls.....lb. .10 - .10½
French, bls., resifted.....lb. .42 - .43
Matico leaves, bls.....lb. .17 - .18
Menadione, USP, bots., works...gram. .10 - —
Menthol, natural, USP, Brazilian, cns..lb. 8.85 - 8.90
synthetic, tech., cns.....lb. 6.00 - 6.40
USP, laevo, cns.....lb. 8.90 - —
racemic, cns.....lb. 7.60 - 8.00
Menthyl salicylate, tins.....lb. 3.00 - 3.10
Mercury bichloride (see Corrosive sublimate).
Bisulphate, dms.....lb. 2.33 - 2.35
Chloride (see Calomel).
Cyanide, cryst., powd.....lb. 3.51 - 3.59
Iodide, red, NF, dms.....lb. 4.32 - —
Yellow, NF, fib. dms.....lb. 4.42 - —
Metal (see Quicksilver).
Oxide, red, NF (see Red precipitate).
yellow, tech. (see Yellow, mercury oxide).
USP, fib. dms.....lb. 2.74 - 2.76
Mesityl oxide, dms., c.l., dlvd.....lb. .13 - —
l.c.l., dlvd.....lb. .13½- —
tanks, dlvd.....lb. .11½- —
Metachloranilin, dms., works.....lb. .65 - —
Metacresol, 98%, dms., works.....lb. .65 - —
Metanitroparatoluidin, bbls.....lb. 1.16 - 1.21
Metaphenylenediamine, kgs.....lb. .72 - —
Metatolylenediamine, kgs.....lb. .77 - —
Methanol, natural, all grades, group A, dms. extra, c.l., E. of Miss. gal. .63 - —
l.c.l., same basis.....gal. .73 - —
tanks, same basis.....gal. .69 - —
group B, dms. incl., c.l., frt. alld. gal. .67 - —
l.c.l., same basis.....gal. .73 - —
tanks, same basis.....gal. .68 - —
Prices on natural methanol W. of Miss. 3c. higher
synthetic, dms., c.l., zone 1, frt. alld. gal. .34½- —
2, frt. alld. or dlvd.....gal. .37½- —
3, frt. alld.....gal. .41½- —
4, frt. alld.....gal. .41½- —
l.c.l., zone 1, frt. alld. or dlvd.gal. .37 - —
2, frt. alld.....gal. .44 - —
3, dlvd. S. F. and L. A.....gal. .42 - —
4, frt. alld or dlvd.....gal. .52½- —
Methanol, synth., tanks, zone 1, frt. alld..lb. .24 - —
2, frt. alld.....gal. .27 - —
3, frt. alld.....gal. .29 - —
4, frt. alld.....gal. .29 - —

Synthetic methanol zones are: Zone 1— Conn., Del., D. C., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb., N. H., N. J., N. Y., N. C., O., Pa., R. I., S. C., Tenn., Vt., Va., W. Va., and Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., N. Mex., N. Dak., Okla., S. Dak., Tex., and Wyo. Zone 3—Los Angeles and San Francisco. Zone 4—Ariz., Calif. (with exception of Los Angeles and San Francisco), Ida., Mont., Nev., Ore., Utah and Wash. Buyers in zone 4 have the option of buying at the delivered zone 4 price or at the zone 3 price, f.o.b. Los Angeles and San Francisco.

Methyl abietate, non-ret. dms., c.l., dlvd..lb. .13¼- —
l.c.l., dlvd.....lb. .13¾- —
hydrogenated, non-ret, dms., c.l., dlvd..lb. .15½- —
l.c.l., dlvd.....lb. .16 - —
Acetate, CP, 97-99%, dms., c.l., E. of Miss..lb. .10½- .12
W. of Miss.....lb. .11½- .12
l.c.l., E. of Miss.....lb. .11 - .14
W. of Miss.....lb. .12 - .13½
tanks, E. of Miss.....lb. .09½- —
W. of Miss.....lb. .10½- —
tech., dms., c.l., E. of Miss.....lb. .07 - .09
W. of Miss.....lb. .08 - —
l.c.l., E. of Miss.....lb. .07½- .11
W. of Miss.....lb. .08½- .10½
tanks, E. of Miss.....lb. .06 - —
W. of Miss.....lb. .07 - —
Acetoacetate, dms., c.l., frt.alld. E lb. .42 - —
l.c.l., same basis.....lb. .42½- —
Methyl acetoacetate prices, frt. alld. W., ½c. higher.

Acetone, natural, group A, dms., extra, c.l., E. of Miss., frt. alld..gal. .50 - —
l.c.l., same basis.....gal. .57 - —
Natural methyl acetone group A prices W. of Miss. 3c. per gal higher.
group B, dms., incl., c.l., E. Miss., frt. alld..gal. .67 - —
l.c.l., same basis.....gal. .78 - —
tanks, same basis.....gal. .60 - —
synthetic, dms., c.l. works, frt. alld E..gal. .53¾- —
frt. alld. W.....gal. .56½- —
l.c.l., works, frt. alld. E...gal. .57 - —
frt. alld. W.....gal. .59 - —
tanks, works, frt. alld. E.....gal. .44¼- —
frt. alld. W.....gal. .46½- —
Methyl acetone, synth. East territory is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory, all States West of those four.

Alcohol (see Methanol).
Anthranilate, dms.....lb. 2.20 - 2.50
bots., cns.....lb. 2.20 - 2.60
Benzoate, cns.....lb. .45 - 1.20
Bromide, cns.....lb. .63 - .65
cyls.....lb. .55 - .70
Chloride, indust., cyl., works..lb. .16 - —
tanks, multi-unit, works.....lb. 14¾- —
single-unit, works.....lb. 14 - —
refrigeration, indust. consumers, refrigeration machinery mfrs., cyls., dly l..lb. .33 - —
retail refrigeration consumers or service men, cyls., dlvd..lb. .41 - —
Cinnamate, cns.....lb. 1.43 - 3.50
Formate, dms.....lb. .89 - —
Iodide, bots.....lb. 3.00 - 3.25
Lactate, dms., l.c.l., works.....lb. .35 - —
Methacrylate, M-1, dms., works..lb. .45 - —
cns., works.....lb. .48 - .58
P-1, cns., works.....lb. .60 - —
Salicylate, dms., 500 lbs.....lb. .40 - —
25-50 lbs.....lb. .45 - —
Methylal, 95%, dms. incl., c.l., works, lb. .07 - —
l.c.l., works.....lb. .08 - —
tanks, works.....lb. .04½- —
60%, dms. incl., c.l., works.....lb. .04 - —
l.c.l., works.....lb. .05 - —
tanks, works.....lb. .02 - —
Methylamyl ketone, cns., dms., works, lb. No stocks
Methylcellulose, special vis. (4,000 cps.), fib. ctns., 2,000 lbs. or more, frt. alld..lb. .70 - —
smaller lots, frt. alld. on 100 lbs. lb .75 - .80
Methylcellulose standard vis. (15-1,500 cps.), fib. ctns., 2,000 lbs. or more..lb. .68 - —
smaller lots, frt. alld. on 100 lbs. lb. .68 - .78
Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms., works..lb. .23 - —
Methylcyclohexanone, 98-100%, dms., works..lb. No stocks
Methylene blue, tech. (see Dyes, coal-tar).
USP, 100-lb. lots, kgs., frt. equald lb. 2.20 - —
50-lb. lots, kgs., same basis..lb. 2.30 - —
25-lb. lots, kgs., same basis..lb. 2.35 - —
Chloride, indust., dms., c.l., dlvd. E. lb. .12½- —
l.c.l., dlvd., E.....lb. .13½- —
tanks, dlvd., E.....lb. .11½- —
Methyleneanilin, dms., ton lots, frt. alld..lb. .36 - —
smaller lots, same basis.....lb. .37 - —
Methylethyl ketone, dms., dlvd....lb. .10½- —
l.c.l., dlvd.....lb. .11 - —
tanks, dlvd.....lb. .09 - —
Methylhexyl ketone, tech., dms., works..lb. .60 - —
Methylionone, A, cns.....lb. 6.55 - 8.80
D, cns.....lb. 7.50 - 9.55
prime, cns.....lb. 4.55 - 6.40
Methylisobutyl carbinol (see Carbinol, methylisobutyl).
Ketone, dms., c.l., dlvd.....lb. .14 - —
l.c.l., dlvd.....lb. 14½- —
tanks, dlvd.....lb 12½- —
Methylnaphthyl ketone, cns.....lb. 3.00 - 3.75
Methylpentanediol, dms., works, dlvd. lb. .18 - —
l.c.l., works, dlvd.....lb. .19 - —
tanks, works, dlvd.....lb. .16½- —
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works..lb. .03¼- —
roofing, 20 to 80 mesh, works..lb. .03 - —
wet-grd., blotite, bgs., c.l., works, frt. alld. E..lb. .05½- —
l.c.l., ex whse. or frt. alld. E. lb. .06¼- —
extra fine, bgs., c.l., works, frt. alld. E..lb. .05½- —
l.c.l., ex whse. or frt. alld. E. lb. .06¼- —
paint or lacq., bgs., c.l., works, frt. alld. E..lb. .07 - —
l.c.l., ex whse. or frt. alld. E..lb. .07¾- —
rubber, bgs., c.l., works, frt. alld. E..lb. .06¾- —
l.c.l., ex whse. or frt. alld. E. lb. .07¼- —
wallpaper, bgs., c.l., works, frt. alld. E..lb. .07 - —
l.c.l., ex whse. or frt. alld. E. lb. .07¾- —
Mica, wet-grd., white, extra fine, bgs., c.l., works, frt. alld. E..lb. .07 - —
l.c.l., ex whse. or frt. alld. E. lb. .07¾- —
Mica, wet-grd., W. of Miss. R., ½c. higher. W. of Rockies, 1c. higher.
Milk powder, skimmed, roller, bbls., c.l..lb. .12¾- .13¼
spray, bbls., c.l.....lb. .13¼- .13⅝
Whole, roller, bbls., c.l.....lb. .35 - .39
spray, bbls., c.l.....lb. .39 - .43
Sugar, edible, bbls., works, 39,000-lb. lots..lb. .24 - —
2,000-lb. lots.....lb. .24¾- —
200-1,800-lb. lots.....lb. .25¼- —
USP, bbls., works, 39,000-lb. lots..lb. .26 - —
2,000-lb. lots.....lb. .26¾- —
200-1,800-lb. lots.....lb. .27¼- —
Mineral spirits (see Petroleum, mineral spirits).
Molasses, blackstrap, tanks, U. S. ports..gal. .29 - .30
Molybdate orange (see Orange, molybdate).
Molybdenum metal, 99% Mo. powd., kgs..lb. 2.60 - 3.00
Trioxide, pure, kgs., works, basis Mo. content..lb. .98 - —
technical, kgs., works, basis Mo. content..lb. .80 - —
Monochlorobenzene, dms., c.l., works, frt. equald..lb. .06 - .07⅛
l.c.l., works.....lb. .06½- .08⅛
smaller containers, works.....lb. .09 - .10
tanks, works, frt. equald.....lb. .05½- .06
Monoethanolamine, dms., c.l., frt. a ld E..lb. .25½- —
l.c.l., same basis.....lb. .26½- —
smaller containers, same basis....lb. .28½- —
tanks, same basis.....lb. .24 - —
Monoethylamine, dms., c.l., wks. basis 100%..lb. .17 - —
l.c.l., same basis.....lb. .18 - —
tanks, same basis.....lb. .15 - —
Monomethylamine, anhydrous, cyl., works, basis 100%..lb. .34½- .44⅛
25%-40%, dms., c.l., same basis..lb. .34 - —
tanks, same basis.....lb. .29 - —
Monomethylpara-aminophenol sulphate, dms..lb. 2.40 - 2.90
Monononylnaphthalene, tanks, wks..lb. .16 - —
Monosodium glutamate (see Sodium glutamate, monobasic).
Phosphate (see Sodium prosphate, monobasic).
Morphine, cns., 25 ozs.....oz.12.40 - —
Acetate, cns., 25 ozs.....oz. 9.90 - —
Hydrobromide, cns., 25 ozs.....oz. 9.90 - —
Hydrochloride, cns., 25 ozs.....oz. 9.90 - —
Sulphate, cns., 25 ozs.....oz. 9.90 - —
Morpholine, dms., l.c.l., works.....lb. .67 - —
smaller containers, works.....lb. .75 - —
Mountain ash berries, bgs.....lb. .75 - .76
Mullein leaves, bls.....lb. .12 - .13
Musk, nat., Tonquin, grains, bots..oz.38.00 -55.00
synthetic, ambrette, cn., 5-lb..... 8.00 -14.25
Ketone, cns., 100 lbs. or more..lb. 4.60 - 4.95
25 lbs.....lb. 4.70 - 5.05
5 lbs.....lb. 4.60 - 5.20
Xylol, cns.....lb. 1.60 - 1.80
25 lbs.....lb. 1.70 - 1.90
5 lbs.....lb. 1.80 - 2.00
Muskroot, bls.....lb. No stocks
Mustard seed, Calif., brown, futures..lb. .21 - .21½
Danish, yellow, bgs.....lb. .18 - .18½
Dutch, yellow, bgs.....lb. .18 - .18½
futures, bgs.....lb. .18½- .19
Montana, brown, new crop, bgs., source..lb. .13½- .14
new crop futures, source....lb. .14 - .14½
Oriental, bgs.....lb. .08½- .09
new crop futures, source....lb. .08 - .08½
yellow, bgs.....lb. .18 - .18½
new crop futures, source....lb. .16¾- .17¼
Washington, yellow, bgs..... No prices
Myrobalans, J1, good quality, ex dock, ton.54.00 -55.00
J2, ex dock.....ton.45.00 -46.00

# N

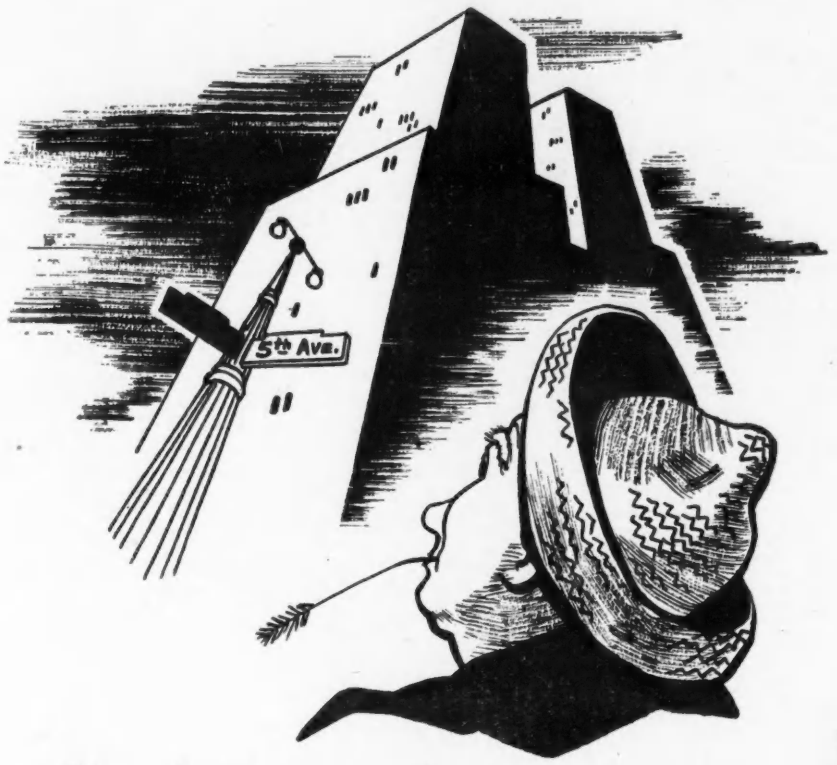
Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, dom., crude, 74° bgs., bbls., c.l., frt. equald..lb. No prices
tanks, same basis.....lb. .0425- .0475
78°, bgs., c.l., same basis.....lb. No prices
bbls., c.l., same basis.....lb. .0410- .055
l.c.l., same basis.....lb. .0435- .06
tanks, same basis.....lb. .0450- .05
refined, balls, flakes, bbls., wholesalers and jobbers, c.l., works, lb. .11 - —
50-lb. cs., c.l., same basis....lb. .11¼- —
1-lb. pkgs., c.l., same basis..lb. .12½- —
Neocinchophen, USP, dms., works..lb. 7.00 - 7.10
Nepheline syenite, glass, 24 mesh, bulk, Rochester, N. Y.....ton.18.75 - —
pottery, 200 mesh, bulk, Rochester, N. Y..ton.17.25 - —
Nepheline syenite in bgs., $3 per ton higher than bulk.
Nerolin, crys., cns.....lb. 1.70 - 2.00
Niacin (see Acid, nicotinic).
Nickel, carbonate, bbls.....lb. .39 - —
Chloride, bbls.....lb. .20 - —
Cyanide, bots., dms.....lb. 1.75 - 2.00
Metal, electro cathodes, cs.....lb. .35½- —
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls.....lb. .14 - .14¼
Nicotinamide, USP, dms., works..kilo. 9.50 - 9.80
Nicotine sulphate, 40%, dms., dealers, frt. alld, over 50 lbs..lb. .988 - —
tins, dealers.....lb. 1.105 - —
Nikethamide, bots, cbys.....lb. 5.50 - 6.60
Nitercake, bulk, works.....ton.20.00 -24.00
Nitrobenzene, dbl. dist., dms., c.l..lb. .08½- .08⅝
l.c.l.....lb. .09½- .10
tanks.....lb. .07½- .07⅝
Nitrocellulose, ester-soluble, 30-35 cps., ¼, ½, 5-6, 15-20, 30-40, and 60-80 secs., bbls., c.l., works, dry weight..lb. .26 - —
l.c.l., same basis.....lb. .27 - .29
18-25 cps., 125-175 secs., bbls., c.l., same basis..lb. .28 - —
l.c.l., same basis.....lb. .29 - .31
250-400 secs. and 600-1,000 secs., bbls., c.l., same basis..lb. .31 - —
l.c.l., same basis.....lb. .32 - .34
spirit-soluble, 30-35 cps., ¼, ½, 5-6 and 40-60 secs., bbls., c.l., same basis..lb. .32 - —
l.c.l., same basis.....lb. .33 - .35

Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Barrels extra, but returnable.

Nitrogen solution, tanks, works, N.ton.107.00 -114.84
Nitrogenous process tankage, bulk, works, ammo. unit ton. 4.60 - 6.50
Sewage sludge, bulk, works, unit ton.4.15 + 40- —
Nitromethane, dms., c.l., works....lb. .25 - —
Nitronaphthalene, bots.....lb. .24 - .25
Nitropropane, 1, dms., works.....lb. .25 - —
2, dms., works.....lb. .25 - —
Nonylnaphthalene blend (mono and di), tanks, works..lb. .14 - —
Nutgalls, bgs.....lb. .44 - .50
Nutmegs, East Indian, bgs., futures, afloat..lb. .52 - .58
West Indian, bgs.....lb. .52 - .63
futures.....lb. .51 - .52
Nux vomica, bls.....lb. .09 - .10
powdered, bbls., bxs.....lb. .12 - .13

# O

Oakbark extract, 25% tannin, bbls., c.l., works..lb. No stocks
Octane, 100°-140° C, industrial grade, dms., c.l., group 3..gal. .16 - —
l.c.l.....gal. .29 - .35
tanks, group 3.....gal. .13 - —
Octanol (see Alcohol, ethylhexyl).
Oil, almond, bitter, artificial (see Benzaldehyde).
natural, F.P.A., bots.....lb. 4.50 - 5.00
NF, bots.....lb. 4.90 - —
Sweet, dms., cns.....lb. .69 - 1.50
Angelica root, bots.....lb.120.00 -250.00
Seed, bots.....lb.120.00 -200.00
Anilin (see Al.
Anise, USP, Chinese, dms.....lb. .65 - 1.00
Russian, cns.....lb. 3.25 - 3.75
Apricot kernel, cns.....lb. .65 - .85
Avocado, cns., dms.....lb. 1.00 - 1.10
Babassu, tanks.....lb. .14½- —
Bay, NF, Puerto Rican, 50-55%, cns. lb. 1.60 - 2.25
55-60%, cns.....lb. 1.20 - 2.35
60-65%, cns.....lb. 2.50 - —
West Indian, 50-55%, cns.....lb. 1.20 - 1.65
Bergamot, artif., cns.....lb. 3.50 - 4.25
natural, Italian, cns.....lb. 5.00 - 5.50
Birch (see Oil, sweet birch).
Birchtar, crude, cns.....lb. .95 - 1.76
rectified, cns.....lb. No stocks
Bois de rose, Brazil, cns.....lb. 3.00 - 5.50
Mexican (see Oil, lignaloe wood).
Bone, dms., works.....gal. .65 - .70
Cajeput, tech., dms.....lb. 2.50 - 2.90
redistilled, USP IX, cns.....lb. 2.35 - 3.40
Calamus, cns.....lb.20.00 -28.00
Camphor, natural, white, cns.....lb. .20 - .75
synthetic, dms.....lb. .15 - .35
Cananga, natural, cns.....lb. 6.00 - 9.10
rectified, cns.....lb. 9.35 -12.60
Capsicum (see Capsicum oleoresin).
Caraway, NF, cns.....lb. 5.50 - 6.50
Cardamom, bots.....lb.23.50 -31.50
Cassia, USP, cns.....lb. 2.40 - 3.75
Castor, blown, ret. dms., c.l.....lb. .30 - 30½
l.c.l.....lb. .31 - 31½
cold-pressed, USP, ret. dms., c.l. lb. .28½- —
l.c.l.....lb. .29½- —
tanks.....lb. .27½- —
dehydrated, bodied, dms., c.l.....lb. .30½- —
l.c.l.....lb. 31½- —
tanks.....lb. .30 - —
unbodied, dms., c.l.....lb. .29¾- —
l.c.l.....lb. 30½- —
tanks.....lb. .29 - —
No. 3, tech., dms., c.l.....lb. .27½- —
l.c.l.....lb. .28¼- —
tanks.....lb. .26½- —
sulphonated, 50% (48% fat), dms. lb .16½- 17¼
75% (60-62% fat), dms.....lb. .23 - .24
Cedarleaf, USP, cns., dms.....lb. 2.15 - 2.85
Cedarwood, cns.....lb. .70 - .95
dms.....lb. .70 - .85
Celeryseed, bots.....lb.15.00 -20.00
Chaulmoogra, NF, cns., dms.....lb. .56 - —
Chinawood (see Oil, tung).
Cinnamon bark, bots.....lb.52.50 -62.00
Leaf, dms.....lb. 1.85 - —
Citronella, Ceylon, cns.....lb. .75 - 2.75
Java, cns.....lb. 1.50 - 4.75
Clove, USP, cns.....lb. 1.30 - 1.70
Coconut, crude, tanks, Atlantic ports..lb. .20 - —
Pac. coast.....lb. .19 - —
refined, Cochin type, tax incl., dms., c.l..lb. .26½- —
deodorized, tax incl., dms., L.c.l. lb. .31 - —
Cod, Newfoundland, dms.....lb. .22 - —
Codliver, USP, bbls., dms.....gal 2.40 - 3.50
Coriander, bots.....lb.27.00 -30.00
Corn, crude, tanks, works.....lb. .24 - .24½
foots, acid, 95%, tanks, dlvd. E. lb. .11½- —
raw, 50%, tanks, dlvd. l.....lb. .05¼- —
refined, tanks, works.....lb. .26½- .27
Cottonseed, crude, tanks, works...lb. .22 - —
foots, acid 95%, tanks, dlvd. E. lb. .11½- —
raw, 50%, tanks, dlvd. E....lb. .05¼- —
deodorized, winterized, salad, dms., c.l..lb. .28 - —
l.c.l.....lb. .29 - —
tankcars.....lb. .27 - —
Creosote (see C).
Croton, NF, cns.....lb. 4.75 - 5.50
Cubeb, USP, cns.....lb. 6.75 -10.00
Crude (see Petroleum, crude).
Cumin, bots.....lb. 6.25 -11.50
Cypress, bots.....lb.11.00 -15.00
Degras (see D).
Dillseed, bots.....lb. 4.25 - 7.00
Dillweed, bots., 25-lb. lots.....lb. 5.00 - 5.75
Dip (see D).
Erigeron, USP, cns.....lb. 2.30 Nom.
Eucalyptus, rect., USP, 80-90%, cns., lb. 1.05 - 1.45
70-80%, cns.....lb. .95 - 1.30
Fennel, sweet, cns.....lb. 3.05 - 4.55
Fir, Canada, cns.....lb. 2.25 - 2.75
Fishliver, 8,000-15,000 A units per gram., dms., Pacific Cst., per million units. .14½- .15
15,000-30,000 units, dms., Pacific Cst., per million units. .16 - —
30,000-60,000 units dms., Pacific Cst., per million units. .17 - .18
60,000-100,000 units, dms., Pacific Cst., per million units. .20 - .32
over 100,000 units, dms., Pacific Cst., per million units. .25 - .28
concentrates 200,000 or more A units per gram., dms., Pacific Cst., per million units. .33 - .38
Fuel (see Petroleum, fuel oil).
Garlic, pure, bots.....oz.15.00 - —
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns.....lb.15.25 -21.00
Bourbon, cns.....lb.11.00 -14.50
Russian, cns.....lb. No stocks
Turkish (see Oil, palmarosa).
Ginger, dist., bots.....lb. 8.00 -13.00
Grapefruit, Florida, cns.....lb. 2.25 - 2.50
California, bots., cns.....lb. 1.70 - 2.60
Grease, common, No. 1, dms.....lb. .27½- .28
extra, winter strained, dms..lb. .28½- .29
prime, burning, dms.....lb. .29 - .29½
Guaiacwood, cns.....lb. 3.35 - 4.15
Hemlock, cns.....lb. 2.25 - 2.75
Herring, crude, tanks, Pac. coast..lb. No prices
Juniper berry, dom., bots.....lb. 6.00 -12.50
imported, USP.....lb. 7.50 -12.00
Tar, USP (see Juniper tar).
Wood, tech., cns.....lb. .65 - 1.00
Lard (see Oil, grease).
Laurel, bots.....lb.20.00 Nom.
Lavandin, cns.....lb. 1.80 - 3.75




## No Johnny-Come-Lately

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ACETIC ANHYDRIDE
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ALUMINUM CHLORIDE
ACETONE
ACETANILID
ACID SODIUM PYROPHOSPHATE
BARIUM HYDRATE
BARIUM SULFATE
BARIUM PEROXIDE
BENZOATE OF SODA
BICARBONATE OF SODA
BENZENE HEXACHLORIDE
BENZOYL PEROXIDE
BLANC FIXE
CARBON TETRACHLORIDE
CARBON BISULPHIDE
CAUSTIC POTASH
CAUSTIC SODA
CITRIC ACID
CALCIUM CITRATE
CREAM OF TARTAR
DDT
EPSOM SALT
LECITHIN
LITHIUM SALTS
PERCHLORETHYLENE
PHOSPHORIC ACID
PHOSPHOROUS (RED AMORPHOUS)
ROCHELLE SALT
SAPONIN
SODIUM SULPHIDE
SODA ASH
SODIUM TRIPOLY PHOSPHATE
SODIUM TETRA PYROPHOSPHATE
TARTARIC ACID
TARTAR EMETIC
TRICHLORETHYLENE
VANILLIN

## Oil, Lavender—Orange, Chrome

| | | | |
|---|---|---|---|
| **Oil,** lavender flower, French, 38-42° ester | lb. | 7.00 | -10.15 |
| 30-32% ester | lb. | 4.25 | - 8.00 |
| Russian, 25-lb. | lb. | 11.75 | - — |
| Spike, Spanish, pure, cns. | lb. | 1.50 | - 2.25 |
| tech., cns. | lb. | 1.75 | - 2.78 |
| Lemon, natural, USP, Calif., cns. | lb. | 3.25 | - 3.60 |
| Messina, cns. | lb. | 3.65 | - 3.85 |
| terpeneless, bots. | lb. | 49.00 | -50.00 |
| Lemongrass, cns., dms. | lb. | 1.25 | - 2.30 |
| Lignaloe seed, Mexican, cns. | lb. | 4.50 | - 4.80 |
| Wood, Brazilian (see Oil, bois de rose). | | | |
| Mexican, cns. | lb. | 3.50 | - 5.20 |
| Lime, distilled, Mexican, cns. | lb. | 3.80 | - 5.15 |
| West Indian, cns. | lb. | 4.65 | - 6.30 |
| expressed, West Indian, cns. | lb. | 9.50 | -10.00 |
| terpeneless, bots. | lb. | 35.00 | -42.00 |
| Linseed, raw, dms., c.l. | lb. | .3180- | .3230 |
| l.c.l. | lb. | .3280- | .3340 |
| tankcars | lb. | .3080- | .3130 |
| tankwagon | lb. | .3100- | .3150 |
| Boiled linseed oil .007 higher than raw. | | | |
| Linseed replacement, dms. | lb. | .25 | - .26 |
| Lubricating, ref., ex tax, Group 3, bright stock, 150-160 vis., 10-25 p.p., tanks | gal. | .285 | - — |
| neutral, 300 vis., No. 3, col., 0.10 pour, tanks | gal. | .21 | - .22 |
| 200 vis., No. 3, col., 15-25 pour, tanks | gal. | .18 | - .19 |
| 145-155 vis., No. 3, color, 10-25 pour, tanks | gal. | .285 | - — |
| Penna., W., cylinder, 600-680 flash, tanks | gal. | .33 | - .38 |
| 600-650 steam refd., tanks | gal. | .37 | - — |

| | | | |
|---|---|---|---|
| Oil, lubricating, at ref'y, ex tax Penna., neutral, 70° F. No. 3, color, 150 vis., 25 pour, tanks | gal. | .37 | - .39 |
| 200 vis., 25 pour, tanks | gal. | .39 | - .41 |
| South Texas, neutral, pale, 200 vis., 2¼-4 pour, tanks | gal. | .11 | - .12 |
| red, 200 vis., 4-6½ pour, tanks | gal. | .11 | - .12¼ |
| Mace, dist., cns., dms. | lb. | 6.00 | - 8.75 |
| Mandarin, Brazilian, cns. | lb. | 5.75 | - 8.40 |
| Italian, cns. | lb. | 8.50 | - 9.25 |
| Menhaden, crude, tanks, Balto. | lb. | .18 | - .19 |
| refined, alkali, dms., l.c.l. | lb. | .24½ | - — |
| kettle-bodied, dms., l.c.l. | lb. | .26 | - — |
| light-pressed, dms., l.c.l. | lb. | .23 | - — |
| tanks | lb. | .22 | - — |
| Mineral, white (see Oil, white mineral). | | | |
| Mustard, synthetic, USP, cns. | lb. | 1.45 | - 1.70 |
| Seed, exp., dms. | lb. | .24 | - .25 |
| Neatsfoot, 15°, dms. | lb. | .50 | Nom. |
| 20°, dms. | lb. | .48 | Nom. |
| 30°, dms. | lb. | .47 | Nom. |
| Neroli, French, bots. | lb. | 195.00 | -390.00 |
| Haitian, bots. | lb. | 180.00 | -200.00 |
| Nutmeg, cns. | lb. | 5.50 | - 8.75 |
| Ocotea cymbarum, dms. | lb. | .75 | - 1.15 |
| Oiticica, liquid, dms., c.l. | lb. | .26 | - — |
| l.c.l. | lb. | .26½ | - — |
| tanks | lb. | .25 | - — |
| Oleo, extra, tcs., Chicago | lb. | .30 | Nom. |
| Olibanum, bots. | lb. | 4.50 | - 6.25 |
| extra fine | lb. | 6.25 | -10.50 |
| Olive, denat., dms. | gal. | No stocks | |
| edible, Calif., dms. | gal. | 5.25 | - 5.50 |
| imported, dms. | gal. | 5.75 | - 6.25 |
| foots, dms., c.l. | lb. | No prices | |
| tankcars | lb. | No prices | |

| | | | |
|---|---|---|---|
| Oil, olive, sulphonated, 50% (40% fat), dms., c.l. | lb. | No stocks | |
| l.c.l. | lb. | No stocks | |
| 75% (62% fat), dms., c.l. | lb. | No stocks | |
| l.c.l. | lb. | No stocks | |
| Orange, sweet, natural, dist., cns. | lb. | .90 | - 1.25 |
| expressed, USP, Brazilian, cns. | lb. | 1.40 | - 1.85 |
| Calif., cns. | lb. | 1.70 | - 2.10 |
| Florida, cns., dms. | lb. | 1.40 | - 1.85 |
| Messina, coppers | lb. | 4.50 | - 4.95 |
| West Indian, cns. | lb. | 2.25 | - 3.75 |
| sesquiterpeneless, bots. | lb. | 80.00 | -135.00 |
| Origanum, Spanish, cs. | lb. | 3.20 | - 3.50 |
| Palm, Niger, dms. | lb. | No prices | |
| Palmarosa, cns. | lb. | 6.25 | - 9.00 |
| Palmkernel, crude, bulk, c.i.f., N. Y. | lb. | No prices | |
| Paraffin, pale, 100-110 vis. @ 100° F. tanks, works | gal. | 10 | - — |
| Patchouli, cns. | lb. | 13.50 | -45.00 |
| Peanut, crude, tanks, works | lb. | .24 | Nom. |
| foots, acid, 95%, tanks, dlvd. E. | lb. | .11½ | Nom. |
| raw, 50%, tanks, dlvd. E. | lb. | .05¼ | Nom. |
| refined, tanks, mills | lb. | .28 | Nom. |
| Pennyroyal, USP, dom., dms., cns. | lb. | 3.82 | - 4.75 |
| import, cns. | lb. | 3.80 | - 5.00 |
| Peppermint, natural, dms. | lb. | 7.85 | - 8.75 |
| redist., USP, dms. | lb. | 8.35 | - 9.60 |
| Perilla, crude, dms. | lb. | No stocks | |
| Petitgrain, Paraguay, cns. | lb. | 3.20 | - 4.30 |
| Pimento berry, dms. | lb. | 4.25 | - 6.50 |
| Leaf, cns. | lb. | 1.95 | - 3.25 |
| Pine, dest. dist., dms. incl. c.l., works, South. | gal. | .70 | - — |
| l.c.l., works, East | gal. | .79 | - — |
| tanks, works, South | gal. | .61 | - — |
| steam-dist., dms., ex whse., East. | lb. | .11 | - — |

| | | | |
|---|---|---|---|
| Oil, pineneedle, Canadian, 25-lb. cans. | lb. | 2.20 | - — |
| Siberian, cns. | lb. | 3.05 | - 3.75 |
| Swiss, 25-lb. cans. | lb. | 4.00 | -14.50 |
| Putty, petroleum, heavy, dms. | gal. | .18 | - — |
| tankwagon | gal. | .13½ | - — |
| light, dms. | gal. | .16½ | - — |
| tankwagon | gal. | .12½ | - — |
| Rapeseed, tankcars | lb. | .32 | - — |
| Red, single dist., dms. | lb. | .28¾ | - .29¾ |
| tanks | lb. | .27½ | - — |
| double dist., dms. | lb. | .31½ | - .32¼ |
| tanks | lb. | .30 | - — |
| Rose, natural, coppers | oz. | 16.00 | -40.50 |
| Rosemary, Spanish, tech., cns., dms. | lb. | .90 | - 1.50 |
| USP, cns., dms. | lb. | 1.20 | - 1.60 |
| Rosin, 1st rectified, dms. | gal. | .66 | - — |
| 2d rectified, dms. | gal. | .68 | - — |
| 3d rectified, dms. | gal. | .78 | - — |
| Rue, bots. | lb. | 4.65 | - 5.50 |
| Sage, Dalmatian, cns. | lb. | 4.50 | - 5.40 |
| Spanish, cns. | lb. | 2.20 | - 3.50 |
| Sandalwood, NF, Mysore, cns. | lb. | 13.75 | -22.50 |
| Sardine, crude, tanks, Pac. coast, | lb. | .18 | Nom. |
| refined, alkali, dms., l.c.l. | lb. | .24½ | - — |
| kettle-bodied, dms., l.c.l. | lb. | .26 | - — |
| light-pressed, dms., l.c.l. | lb. | .23 | - — |
| tanks | lb. | .22 | - — |
| Sassafras, artificial | lb. | 65 | - 1.10 |
| natural, Brazilian (see Oil, ocotea cymbarum). | | | |
| domestic, USP XII, cns., dms. | lb. | 1.70 | - 2.30 |
| Savin, cns. | lb. | 5.75 | -12.00 |
| Savory, cns. | lb. | 8.00 | - — |
| Seal, No. 1, tanks, U. S. ports | lb. | No prices | |
| Sesame, tanks | lb. | No prices | |
| Shingle stain, bbls., c.l., works | gal. | .2185- | — |
| l.c.l., works | gal. | .25 | - .29 |
| tanks, works | gal | .15 | - .16 |
| Snakeroot, Canada, cns. | lb. | 17.50 | -21.00 |
| Soybean, crude, tanks, mills | lb. | .21 | - — |
| foots, acid, 95%, tanks, dlvd. E | lb. | .11½ | Nom. |
| raw, 50%, tankes, dlvd. E. | lb. | .05¼ | Nom. |
| refined, alkali, dms., c.l. | lb. | .2583- | — |
| l.c.l. | lb. | .2620- | .2660 |
| tanks | lb. | .2463- | — |
| clarified, dms., c.l. | lb. | .2433- | — |
| l.c.l. | lb. | .2470- | .2510 |
| tanks | lb. | .2313- | — |
| winterized, ref., tankcars | lb. | .25 | Nom. |
| Spearmint, dms. | lb. | 7.00 | -11.00 |
| Sperm, bleached, 38°, dms. | lb. | .2570- | — |
| natural, 45°, dms. | lb. | .2370- | — |
| Spruce, cns., dms. | lb. | 2.25 | - 2.75 |
| Sunflower-seed imp., refined, tanks, | lb. | No prices | |
| semi-refined, tanks | lb. | No prices | |
| Sweet birch, Northern, cns. | lb. | 4.50 | - 8.00 |
| Southern, cns. | lb. | 2.50 | - 3.25 |
| Tall, crude, tanks, works | ton. | 40.00 | -45.00 |
| refined, dms., c.l., works | lb. | .06⅝ | - — |
| l.c.l., works | lb | .07⅛ | - — |
| tanks, works | lb. | .05⅝ | - — |
| Tallow, acidless, dms. | lb. | .28½ | - .29 |
| Tansy, cns. | lb. | 11.00 | -14.00 |
| Tar, pine, crude, dms. incl. c.l., works, South. | gal. | .39 | - — |
| l.c.l., works, South | gal. | .40½ | - .41 |
| tanks, works, South | gal. | .30 | - — |
| rectified, USP, l.c.l., dms. incl., works, South. | gal. | .60 | - — |
| Tar acid (see T). | | | |
| Thyme, NF, red, cns. | lb. | 2.65 | - 3.30 |
| white, cns. | lb. | 2.85 | - 3.80 |
| technical, white, cns. | lb. | .35 | - 1.00 |
| Tung, dms., c.l. | lb. | .27½ | Nom. |
| l.c.l. | lb. | .28 | - .28¾ |
| tanks | lb. | .26 | - .26½ |
| Turkey red (see Oil, castor, sulphonated). | | | |
| Turpentine, rectified, NF cns., dms. | lb. | .35 | - .50 |
| Vetiver, Bourbon, cns. | lb. | 30.00 | -38.00 |
| Haitian | lb. | 28.50 | -33.00 |
| Whale, ref., natural, dms. | lb. | No stocks | |
| Winter-bleached, dms. | lb. | No stocks | |
| Wheat germ, dms. | gal. | 10.00 | -13.50 |
| White mineral, tech., 50 vis., non-ret. dms., c.l., San Francisco | gal. | .51½ | - — |
| l.c.l., S.F. | gal. | .53½ | - .56½ |
| 50-60 vis. dms., c.l., N.Y. | gal. | .44½ | - — |
| l.c.l., N.Y. | gal. | .48 | - .49 |
| 65-75 vis., dms., c.l., N.Y. | gal. | .47 | - — |
| l.c.l., N.Y. | gal. | .51 | - .52 |
| 70 vis., non-ret. dms., c.l., S.F. | gal. | .51½ | - — |
| l.c.l., S.F. | gal. | .53½ | - .56½ |
| USP, 80-90 vis., dms., c.l., N. Y. | gal. | .51 | - — |
| l.c.l., N.Y. | gal. | .55 | - .56 |
| 85 vis., non-ret. dms., c.l., S.F. | gal. | .51½ | - — |
| l.c.l., S.F. | gal. | .53½ | - .56½ |
| 100 vis., non-ret. dms., c.l., S.F. | gal. | .59 | - — |
| l.c.l., S.F. | gal. | .61 | - .64 |
| 125-135 vis., dms., c.l., N.Y. | gal. | .63 | - — |
| l.c.l., N.Y. | gal. | .67 | - .68 |
| 145 vis., non-ret. dms., c.l., S.F. | gal. | .68 | - — |
| l.c.l., S.F. | gal. | .70 | - .73 |
| 145-155 vis., dms., c.l., N.Y. | gal. | .65 | - — |
| l.c.l., N.Y. | gal. | .69 | - .70 |
| 175-185 vis., dms., c.l., N.Y. | gal. | .66 | - — |
| l.c.l., N.Y. | gal. | .68 | - .73 |
| 180 vis., non-ret. dms., c.l., S.F. | gal. | .70 | - — |
| l.c.l., S.F. | gal. | .72 | - .75 |
| 200-210 vis., dms., c.l., N.Y. | gal. | .72 | - — |
| l.c.l., N.Y. | gal. | .76 | - .77 |
| 340-350 vis., dms., c.l., N.Y. | gal. | .80 | - — |
| l.c.l., N.Y. | gal. | .80 | - .85 |
| 340 vis., non-ret. dms., c.l., S.F. | gal. | .83 | - — |
| l.c.l., S.F. | gal. | .85 | - .88 |
| Wintergreen, natural, Northern, cns. | lb. | 6.35 | -17.25 |
| Southern, cns. | lb. | 3.65 | - 6.50 |
| synthetic (see Methyl salicylate). | | | |
| Wood (see Oil, tung). | | | |
| Wormseed, NF, cns. | lb. | 3.85 | - 5.50 |
| Wormwood, cns. | lb. | 9.00 | -13.50 |
| Ylang-ylang, Bourbon, extra, bots. | lb. | 14.00 | -25.00 |
| first, bots. | lb. | 12.50 | -14.50 |
| second, bots. | lb. | 8.00 | - 9.50 |
| third, bots. | lb. | 5.25 | - 7.50 |
| Oleostearin, tcs. | lb. | .26½ | Nom. |
| Olivine, aggregate, c.l., mines | ton. | 7.00 | - 9.50 |
| crushed, 8 mesh, bulk, c.l., works, | ton. | 10.00 | - — |
| paper bgs., c.l., works | ton. | 12.00 | - — |
| lumps, bulk, c.l., works | ton. | 7.00 | - — |
| Opium, USP, cns. | lb. | 21.30 | -21.53 |
| gran., USP, cns. | lb. | 22.70 | -29.93 |
| powd., USP, cns. | lb. | 22.70 | -29.95 |
| Orange, cadmium lithopone, bbls., frt alld. E. of Rockies | lb. | 1.00 | - — |
| Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Tenn. and N. C., E. of Minneapolis, Rock Island, St. Louis, St. Paul, contracts | lb. | .26 | - — |

* Chrome orange prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport); 1½c. Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex.; 1½c. El Paso, Tex.; 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

# THE WORLD'S FINEST ORANGE OIL

Made exclusively from oranges from the Sunkist Groves of California.

Exchange Oil of Orange gives you more *real orange flavor*, drop for drop or pound for pound, than any other orange oil.

Give it all your tests for *quality, uniformity* and *strength.* Then you'll buy Exchange Brand.

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*Producing Plant:*
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Exchange
OIL OF
ORANGE
U. S. P.

Orange, dinitroanilin toner.....lb. 1.15 - —
Molybdate, bbls. .....lb. .39 - —
Orthonitroanilin toner, bbls., kgs., works..lb. .90 - .95
Persian, bbls. .....lb. .30 - .45
Orange flowers, bls.....lb. .46 - .48
Orange mineral, American, bbls., 5 tons, ship't point, frt. alld....lb. .20¼- —
smaller lots, bbls., same basis, lb. .21 - —
Orange peel, bitter, Haitian, bls..lb. .13 - .14
Sweet, bls. .....lb. .14 - .16
Oregano, Mexican, bgs.....lb. .16 - .16½
Portuguese, bgs., afloat.....lb. .19½- .20
Spanish, bgs.....lb. .21 - .21½
Orris root, Florentine, bls.....lb. .34 - .35
powdered, bbls., bxs.....lb. .36 - .37
Verona, bls. .....lb. .22 - .23
powdered, bbls., bxs.....lb. .24 - .25
Orthoaminobiphenyl dms., c.l., works lb. .24 - —
l.c.l., same basis.....lb. .23¼- —
tanks, same basis.....lb. .22 - —
Orthoamylphenol, dms., l.c.l., works. lb. .37 - —
Orthoanisidin, bbls. .....lb. .70 - —
Orthochloroanilin, dms., 10,000 lbs. or more..lb. .53 - —
smaller lots.....lb. .55 - .60
Orthochloroparanitroanilin, dms., works. lb. .57½- —
Orthochlorophenol, dms.....lb. .37 - —
Orthocresol, pure, 30°, dms., c.l., works..lb. .20½- —
l.c.l., works .....lb. .27 - —
tech., 29°-30°, dms., c.l., works..lb. .25 - —
l.c.l., works .....lb. .25½- —
Orthodichlorobenzene, dms., c.l., wks., frt. alld. E. of Rockies..lb. .07½- .08
l.c.l., same basis.....lb. .09½- .10½
tanks, same basis.....lb. .07 - —
Orthodichlorobenzene prices W. of Rockies 1c. per lb. higher.
Orthoisopropyl N-phenylcarbamate (see IPC).
Orthonitroanilin, dms.....lb. .43 - .55
Orthonitrochlorobenzene, dms.....lb. .15 - .18
Orthonitrobiphenyl, tech., dms., c.l., works..lb. .12 - —
l.c.l., works .....lb. .13 - —
Orthonitroparachlorophenol, cns....lb. .75 - —
Orthonitrophenol, dms.....lb. .66 - —
Orthonitrotoluene, dms.....lb. .08 - .09
Orthophenetidin, dms.....lb. .90 - —
Orthotolidin, distilled, kgs.....lb. 1.00 - —
Orthotoluidin, dms. .....lb. .18 - .21
Osage orange crystals, bbls.....lb. .32 - —
Extract, No. 1, bbls.....lb. .15 - —
Ouabaine, USP, bots.....gram. 3.00 - 4.00
Oxyquinolin sulphate, cns., 100 lbs., works..lb. 6.40 - —
smaller lots, works.....lb. 6.55 - 7.40

## P

Papain, powd., cs.....lb. 6.00 - 7.00
Papaverine, natural or synthetic, hydrochloride, NF, cns.,1,000-oz. lots..oz. 6.00 - —
smaller lots .....oz. 6.30 - 6.50
Sulphate, cns.....oz. 7.10 - 7.35
Paprika, Chilean, bgs.....lb. 31½ Nom.
Portuguese, bgs. .....lb. .40 - .41
Spanish, bgs.....lb. .42½- .43
Para-anisidin, dms., works.....lb. .75 - —
Parachlorophenol, dms., c.l., works..lb. .25 - —
l.c.l., works.....lb. .27½- .29
Parachloroanilin, dms., frt. alld E Miss. lb. .65 - —
Paracresol, 98%, dms., works.....lb. .41 - .65
Paracymene, dms., c.l., works.....lb. .1595- —
l.c.l., works.....lb. .1645- —
tanks, works.....lb. .1545- —
Paradibromobenzene, bgs., 500-lb. lots, works..lb. .45 - —
Paradichlorobenzene, dms., c.l., works. lb. .12½- —
l.c.l., same basis.....lb. .14 - —
Paraffin, crude, scale, white or yellow, 124-126 ASTM, bbls., c.l., refinery..lb. .065 - .09
fully ref'd, slabs, 117-119 ASTM, loose, c.l., refy..lb. .05 - —
123-125 ASTM, loose, c.l., refy..lb. .0685- —
125-127 ASTM, loose, c.l., refy..lb. .0715- —
128-130 ASTM, loose, c.l., refy..lb. .0740- —
130-132 ASTM, loose, c.l., refy..lb. .0770- —
133-135 ASTM, loose, c.l., refy..lb. .0795- —
135-137 ASTM, loose, c.l., refy..lb. .0860- —
Prices in bags ¾c. lb. higher; l.c.l. prices 1½c. lb. higher.
Paraformaldehyde, dms., 1,000 lbs., works..lb. .31 - —
smaller lots, works.....lb. .33 - —
Paraldehyde, tech., 98%, 55 gals., dms., l.c.l., works..lb. .12½- .13½
5-10-gal. dms., l.c.l., works...lb. .16½- —
tanks, works .....lb. .11 - —
USP, cbys. .....lb. .37 - .40
Paranitroanilin, kgs., works.....lb. .41 - .43
Paranitrochlorobenzene, kgs., works.lb. .15 - —
Paranitrophenol, kgs., works, frt. equald..lb. .35 - —
Paranitrotoluene, kgs., works.....lb. .30 - —
Paraphenylphenol, bgs., works.....lb. .25 - .29
Paraphenylenediamine, tech., kgs., works..lb. 1.25 - —
Para-tertiary-butylphenol, bgs., works. lb. .19 - .20
Paratoluenesulphonamide, bbls., works. lb. .70 - —
Paratoluidin, bbls., works.....lb. .46½- .53
Paris green, dealer, distributor, dms., kgs., c.l., works, frt. alld. E. lb. .31 - —
l.c.l., same basis.....lb. .32 - .33
Passion flower herb, bls.....lb. .35 - .40
Patchouli leaves, bls.....lb. .38 - .40
Pectin, citrous, bbls.....lb. 1.25 - —
Penicillin, amorph., calcium, bulk, 1,000,000,000 units.. 100,000 units. .14 - —
sodium, bots.....100,000 units. .25 - —
bulk, 1,000,000,000 units..... 100,000 units. .16 - —
cryst., sodium, bots....100,000 units. .50 - .56
Pennyroyal leaves, bls.....lb. .24 - .25
Pentachlorophenol, dms., works....lb. .20 - .25
Pentaerythritol, tech., bbls., c.l., works..lb. .32 - —
l.c.l., works.....lb. .34 - .36
Pentane, 28°-38° C., industrial, dms., c.l., group 3..gal. .11 - .14
l.c.l., dms., group 3.....gal. .17 - .30
tanks, group 3.....gal. .07½- .08
Pepper, black, bgs.....lb. .53 - .54
futures, bgs., nearby.....lb. .49 - .50
distant .....lb. .41 - .42
Red, capsicum, Louisiana longs, bgs., shipment point..lb. .18 - .18½
Mississippi sports, bgs., source, lb. .20 - .20½
Mombasa, bgs. .....lb. .40 - .41
Niger, bgs. .....lb. .18 - .18½
birdseye, bgs. .....lb. .37 - .38
Sierra Leone, futures.....lb. .23 - .23½
Chillies, Haitian, bgs.....lb. No stocks
Mexican, long .....lb. No stocks
White, bgs. .....lb. .55 - .56
Peppermint, USP, dom., bls.....lb. .75 - .80
Imported, bls.....lb. .80 - .85
Perchloroethylene, dms., c.l., zone 1, works, frt. alld..lb. .10¾- —
zone 2, same basis.....lb. .11¼- —
zone 3, same basis.....lb. .11¾- —
zone 4, same basis.....lb. .11¼- —
l.c.l., zone 1, same basis.....lb. .11¼- —
zone 2, same basis.....lb. .12 - —
zone 3, same basis.....lb. .12½- —
zone 4, same basis.....lb. .13 - —
Perchloroethylene, tanks, zone 1, same basis..lb. .10¼- —
zone 2, same basis.....lb. .10¾- —
zone 3, same basis.....lb. .11¼- —
zone 4, same basis.....lb. .10¾- —

Perchloroethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kansas, La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont. (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.

Peru balsam, dms.....lb. 85 - .90
Petrolatum, tech., dark, bbls., c.l., group 3..lb. .021 - —
Pennsylvania refy.....lb. .045 - —
golden topaz, bbls., c.l.....lb. .032 - —
l.c.l. .....lb. .036 - —
red, veterinary, bbls., c.l.....lb. .024 - —
l.c.l. .....lb. .028 - —
USP, amber, non-ret. dms., c.l....lb. .04½- —
Pennsylvania refy.....lb. .04⅞- —
l.c.l. .....lb. .05½- —
California, refy.....lb. .08 - —
Petrolatum, USP, soft, dms., c.l....lb. .06¼- —
Pennsylvania refy.....lb. .07½- —
l.c.l. .....lb. .07¼- .07½
California, refy.....lb. .1075- —
yellow, soft, dms., c.l.....lb. .04⅝- —
Pennsylvania refy.....lb. .04⅞- —
l.c.l. .....lb. .05⅜- —
California, refy.....lb. .08 - —
Petroleum, crude, bulk, at wells, California, heavy grades..bbl. 1.57 - 2.34
Illinois .....bbl. 2.15 - 2.27
Kentucky .....bbl. 2.10 - 2.27
Louisiana-Arkansas .....bbl. 1.64 - 2.38
Montana .....bbl. 2.00 - 2.275
Oklahoma-Kansas .....bbl. 1.73 - 2.15
Pennsylvania, lower field...bbl. 3.95 - 4.50
Upper field .....bbl. 2.60 - 4.50
Texas, East .....bbl. 2.15 - —
Gulf coast .....bbl. 1.88 - 2.38
North, North-Central.....bbl. 1.73 - 2.15
Panhandle .....bbl. 1.73 - 2.15
West .....bbl. 1.60 - 2.02
Wyoming .....bbl. 1.40 - 2.15
Ether, laboratory, 30°-60° C, cns., dlvd. E..gal. .55 - —
dms., c.l., group 3.....gal. .16 - —
l.c.l., same basis.....gal. .29 - —
35°-60° C, 10-gal. cns., dlvd. E..gal. .55 - —
dms., c.l., Group 3.....gal. .16 - —
l.c.l., same basis.....gal. .29 - —
40°-75° C, 10-gal. cns., dlvd. E..gal. .55 - —
dms., c.l., Group 3.....gal. .16 - —
l.c.l., same basis.....gal. .29 - —

### Orange, Dinitroanilin—Petroleum, Fuel Oil, Furnace

Petroleum, fuel oil, bunker C (No. 6), California, heavy, tanks, refinery..bbl. 1.50 - 1.53
light, tanks, refinery.....bbl. 1.70 - 1.75
Eastern, tanks, Albany, N. Y., bbl. 2.72 - —
Baltimore, Md. .....bbl. 2.22 - 2.52
Boston, Mass. .....bbl. 2.26½- 2.56½
Charleston, S. C. .....bbl. 2.13 - —
Jacksonville, Fla. .....bbl. 2.08 - 2.18
New York, N. Y.....bbl. 2.22 - 2.52
Norfolk, Va.....bbl. 2.18 - 2.28
Philadelphia, Pa. .....bbl. 2.22 - 2.52
Portland, Me. .....bbl. 2.26½- 2.56½
Providence, R. I. .....bbl. 2.23½- 2.53½
Savannah, Ga. .....bbl. 2.13 - 2.23
Oklahoma, tanks, refinery...bbl. 2.00 - 2.40
Diesel, tanks, refinery, California .....gal. .0745- .0795
Pennsylvania .....gal .0875- .1000
Furnace, tanks, refinery, Arkansas, No. 2..gal. .07625- —
No. 3 .....gal. .07375- —
Bayonne, N. J., No. 2.....gal. .072 - —
Group 3, No. 1.....gal. .06875- .07625
No. 2, straw.....gal. .06625- .0725
No. 3 .....gal. .06875- .0725
Oklahoma, No. 1, p.w....gal. .06875- .07625
No. 1, straw.....gal. .07375- .07625
No. 2, straw.....gal. .0662½- .0825
No. 3 .....gal. .07375- —
range .....gal. .0700- .0725
Pennsylvania, No. 1.....gal. .0912½- .10
No. 2 .....gal. .09 - .10
No. 3 .....gal. .0875- .0950


When it Smells better ...It sells better!

• Hundreds of products that formerly were associated with disagreeable odors are now enjoying respectability and acceptance due to the art of industrial perfuming.

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DO YOU MAKE ANY OF THESE ITEMS?

- CLEANING FLUIDS AND NAPTHAS
- LUBRICATING OIL AND GREASE
- CUTTING OILS
- GLUES AND PASTES
- INSECTICIDES
- DISINFECTANTS
- LINOLEUM
- LATEX
- PRINTING INKS
- PAINTS, VARNISHES AND LACQUERS
- TEXTILES
- RUBBER
- FUR
- FEATHERS
- COTTON BATTING
- PLASTICS
- LAUNDRY STARCH
- TEXTILE FINISHING OILS
- WAXES
- LEATHER

*Remember!*
WHEN IT SMELLS BETTER... IT SELLS BETTER

MANUFACTURERS OF AROMATIC CHEMICALS, ESSENTIAL OILS, PERFUMES AND FLAVORS

## Petroleum, Lacquer Diluent—Potassium Carbonate

Petroleum lacquer diluent, California, 100 l.b.n., 200 c.p., tanks, dlvd.
Los Angeles....gal. .118 - —
Portland, Ore. ....gal. .128 - —
San Francisco ....gal. .11½- —
Seattle, Wash. ....gal. .128 - —
East coast, tanks, N. J. and N. Y. refinery....gal. .13 - 13½
Group 3, benzol-type, tanks, refinery..gal. .0987½-.1062½
toluol-type, tanks, refinery..gal .0937½-.1012½
Mineral spirits, California, tanks, San Francisco, 170-250 b.r...gal. 123 - —
205-290 b.r....gal. 123 - —
244-362 b.r....gal. 123 - —
307-360 b.r....gal. 113 - —
312-402 b.r....gal. 113 - —
362-458 b.r....gal. 113 - —
East coast, tanks, N. J., N. Y. refinery ....gal. 12½- 13
Group 3, tanks, refinery....gal. .0837½-.0862½
Gulf coast, tanks, refinery....gal. .0875- —
tankwagon, Baltimore....gal. 15 - —
Boston ....gal. .13½- .14
Buffalo ....gal. .14 - .14½
Camden, N. J. ....gal. .12½- —
Chicago ....gal. .159 - —
Detroit ....gal. .182 - —
Kansas City, Mo. ....gal. 15½- —
Lancaster, Pa. ....gal. .13½- —
Newark ....gal. .12½- —
New York....gal. .12½- .13
Philadelphia ....gal. .12½- —
Pittsburgh ....gal. .14 - —
Providence ....gal. .14 - —
Rochester ....gal. 15 - —
St. Louis....gal. 161 - —
Syracuse ....gal. .16 - .16½
Washington, D. C. ....gal. 15 - —

Petroleum naphtha, cleaners, California, tanks, San Francisco..gal. .123 - —
East coast, tanks, N. J., N. Y., refinery..gal. .12½- .13
tankwagon, Newark....gal. .12½- —
Chicago ....gal. .14¼- —
Detroit ....gal. .15½- —
New York ....gal. .12 - 13
Philadelphia ....gal. .125 - —
Group 3, tanks....gal. .09375-.10375
tankwagons, St. Louis....gal. .1470- —
High-flash, 140° F, group 3 refinery, tanks..gal. .12 - .12½
High-solvency, tanks, refinery, N. J., 200-285 b.r., 37-38° C., mixed anilin pt. ....gal. .18 - .18½
26°C m.a.p....gal. .20 - —
270-370 b.r., 78-81 m.a.p. gal. .21 - —
19°C m.a.p. ....gal. .23 - —
305-400 b.r., 26-30°C m.a.p. gal. .21¼- 21½
340-440 b.r., 32°C m.a.p. gal. .21½- —
26°C m.a.p....gal. .25½- —
V.M.&P., at refinery, California, 46.5, 254-380 b.r., tanks, El Segundo..gal. .12 - —
Richmond ....gal. 12½- —
Portland, Ore., Seattle, Wash. gal. .12 - —
64-77, 190-316 b.r., tanks, Los Angeles..gal. .11 - —
San Francisco....gal. .11½- —
Portland, Seattle....gal. .12 - —

Petroleum naphtha, VM&P, at ref'y, East coast, N. J., N. Y., tanks, gal. .14 - .15
Group 3, tanks....gal. .09375-.10375
Gulf coast, tanks, New Orleans..gal. .10 - —
tankwagon, Boston....gal. .145 - .15
Chicago ....gal. .162 - —
Detroit ....gal. .174 - —
Milwaukee ....gal. .178 - —
Minneapolis ....gal. .176 - —
Newark ....gal. .14 - —
New York ....gal. .135 - .14
Philadelphia ....gal. .14 - —
Pittsburgh ....gal. .15 - —
St. Louis ....gal. .171 - —
Solvent, rubber, at refinery California, tanks, San Francisco,..gal. .11½- —
East coast, N. J., N. Y., tanks..gal. 12½- .13
Group 3, tanks....gal. .0887½-.0912½
Stoddard (C.S. 8-38), at refinery, California tanks, San Francisco..gal. .12 - —
East coast, N. J., N. Y., tanks..gal. 12½- .13
Group 3, tanks....gal. .08875-.09875
Pennsylvania, western, tanks gal. .0975- .10
tankwagon, Boston....gal. .13 - —
Chicago ....gal. .14½- —
Detroit ....gal. .16½- —
Milwaukee ....gal. .15½- —
Minneapolis ....gal. .154 - —
Newark ....gal. .12½- —
New York ....gal. .12½- .13
Philadelphia ....gal. .12½- —
Pittsburgh ....gal. .14 - —
St. Louis ....gal. .16 - —
Syracuse ....gal. .16 - .16½
Petroleum sulphonate, 70% sulphonic content, ret. dms., c.l., works, lb. .134 - —
l.c.l., works....lb. .144 - —

Petroleum sulphonate, 75% sulphonic content, ret. dms., tanks, works..lb. .124 - —.
60% sulphonic content, ret. dms., c.l., works..lb. .1065- .1075
l.c.l., works....lb. .1100- .1160
tanks, works....lb. .0965- .0975
Phenobarbital, dms., 100 lbs. ....lb. 3.50 - 4.50
Phenol, 90-92% (cresol, 8-10%), dms., c.l., works, frt. equald. ...lb. 12 - .12¾
l.c.l., same basis ....lb. .12¾- .13¼
tanks, same basis....lb. .11 - .11¼
82-84% (cresol, 16-18%), dms., c.l., same basis ....lb. .12½- .13
l.c.l., same basis....lb. .13¼- .13¼
tanks, same basis....lb. .11¼- .12
USP, dms., c.l., same basis....lb. .11½- .12¼
l.c.l., same basis....lb. .12¼- .13
tanks, same basis....lb. .10½- .11¼
Phenolphthalein, USP, bbls., dms., 2,000 lbs..lb. .85 - —
smaller lots....lb. .87 - 92
yellow, fib. dms., 2,000 lbs....lb. .85 - —
smaller lots....lb. .87 - 92
Phenothiazin, NF, fib. dms., ton lots, works..lb. .49 - —
smaller lots, works....lb. .54 - —
Phenylacetaldehyde solution, 50%, bots. lb. 2.35 - 2.75
pure, bots....lb. 4.00 - 5.15
Phenyl acetate, dms., 100-lb. lots, works..lb. .50 - —
Phenyldiethanolamine, dms., works..lb. .33 - .34
Phenylethyl acetate, dms....lb. 2.75 - 2.70
Phenylethylphenyl acetate, bots....lb. 4.50 - 6.00
Phenylhydrazin base, CP, bots....lb. 4.55 - —
Hydrochloride, CP, bots., works...lb. 7.10 - —
commercial, kgs., works....lb. 1.75 - —
Phloroglucinol, CP, fib. dms....lb. 13.75 - —
tech., fib. dms....lb. 10.00 - —
Phosgene, 150 lb. cyls., works....lb. .20½- .35
10-lb. cyls., works....lb 1.00 - —
Phosphate, defluorinated (see under D.).
Phosphate rock, Florida, land pebble, run-of-mine, washed, dried, unground, 68-66%, b.p.l., bulk, c.l., car at mine..long ton. 3.34 - 3.49
70%-68%, b.p.l., c.l., same basis..long ton. 3.74 - 3.89
72%-70%, b.p.l., c.l., same basis..long ton. 4.34 - 4.49
75%-74%, b.p.l., same basis, long ton. 5.34 - 5.49
77%-76%, b.p.l., c.l., same basis..long ton. 6.34 - 6.49
Prices for Florida phosphate rock are plus usual bonus penalty clause on oil and labor. Prices on entirely pebble 50c. per long ton higher than above quotations.
finely ground 65.5% b.p.l., basis 30% $P_2O_5$ minimum.. short ton. 5.00 - —
68%, b.p.l., basis 31% $P_2O_5$ minimum. short ton. 5.20 - —
70%, b.p.l., basis 32% $P_2O_5$ minimum..short ton. 5.55 - —
Tennessee, brown, run-of-mine, unground, 70-68% b.p.l., 5½% i. & a., same basis..long ton. 5.50 - —
72%-70%, b.p.l., 5½% i. & a., same basis..long ton. 6.00 - —
29% $P_2O_5$, same basis..... long ton. 5.15 - —
30% $P_2O_5$, same basis..... long ton. 5.35 - —
31% $P_2O_5$, same basis..... short ton. 5.45 - —
32% $P_2O_5$, same basis..... short ton. 5.70 - —
33% $P_2O_5$, same basis..... short ton. 6.20 - —
Phosphorus, red, amorphous, cs....lb. 33 - 35
tins, export....lb. 40 - 45
Yellow, cns. ....lb. 25 - 27
dms., c.l. ....lb. 22 - —
Oxychloride, dms., works....lb. .10⅝- .13¾
Pentoxide, dms., c.l., works....lb. 12 - —
l.c.l., works ....lb. 13 - 14
Sesquisulphide, tins, cs., works...lb. 26 - 27
Trichloride, dms., c.l., works....lb. .10¾- —
l.c.l., works....lb. 12¾- .13¾
Phthalamide, bbls., works....lb. 35 - 40
kgs., works....lb. 45 - 50
Phthalic anhydride, bgs., bbls., c.l., works, frt. equald..lb. .17½- —
l.c.l., same basis....lb. .18½- —
Pichi leaves, bgs....lb .07 - 08
Picoline (see Alphapicoline and Betapicoline).
Picrotoxin, bots. ....oz. 8.00 - —
Pilocarpine hydrochloride, USP, bots., vials..oz. 6.50 - 7.50
Nitrate, bots., vials....oz. 6.25 - 7.25
Pimento, Jamaica, bgs....lb. .24½- .25
Pinetar, retort dms. incl., c.l., works, South..gal. .39 - —
l.c.l., same basis....gal. .40½- .41
whse., N.Y.C. ....gal. .50¼- —
tanks, works, South....gal. .30 - —
Pinkroot, bls. ....lb. 2.25 - 2.30
Piperidine, 95%, dms., frt. equald...lb. 1.50 - —
98%, same basis....lb. 1.60 - —
Piperazine hexahydrate, bots....lb. 11.50 - 12.50
Pitch, coaltar, 150° m.p., bbls., c.l., works..ton. 25.25 - —
l.c.l., works ....ton. 28.25 - —
Cottonseed, dms., works....lb. 10½- .10¾
Hardwood, paper bgs., works....lb. .04 - —
Linseed, dms....lb. No prices
Petroleum (see Asphaltum, Mexican, Texas).
Pine, dms., ex whse. East....100 lbs. 6.90 - —
Soybean, dms., works....lb. 10¼- .10½
Plaster of paris (see Gypsum).
Platinum metal, works....oz. 62.00 - 65.00
Podophyllin, dms. ....lb. 13.50 - 13.75
Pokeroot, bls ....lb 21 - 22
Polystyrene, plain colors, bgs., 30,000 lbs., works, frt. alld..lb. 31½- —
20,000 lbs., same basis....lb. .32½- —
smaller lots, same basis....lb. .32½- .56
Water-clear, polystyrene, 7c.-18c. per lb. less than plain colors, depending on quantity; plain colors, dms., 5c. higher.
Pomegranate root bark, bgs....lb. 75 - .76
Poppy flowers, bls....lb. 60 - 70
Seed, Argentine, bgs....lb. .21½- .22
Danish, bgs. ....lb. .24½- .25
Dutch, bgs. ....lb. .26 - .26½
Turkish, bgs. ....lb. .20½- .21
Potash, caustic, low-chloride, flake, 90%, dms., c.l., works..100 lbs. 9.60 - —
l.c.l., works ....100 lbs. 10.35 - —
liquid, dms., c.l., works..100 lbs. 9.00 - —
l.c.l., works ....100 lbs. 9.75 - —
tanks, works ....100 lbs. 8.25 - —
solid, 90%, dms., c.l., works... 100 lbs. 9.60 - —
l.c.l., works ....100 lbs. 9.75 - —
regular, flake, 88-92%, dms., c.l., works..lb. .0785- —
l.c.l., works ....lb. .0860- —
liquid, 45% basis, dms., c.l., works..lb. .03575- —
l.c.l., same basis....lb. .0395- —
tanks, same basis....lb. .03½- —
solid, 88-92%, dms., c.l., works.lb. .07½- —
l.c.l. ....lb. .08 - —
Potassium abietate....lb. .08 - —
Acetate, USP, dms....lb. .28 - .30
Bicarbonate, USP, gran., dms....lb. .20 - .22
powd., dms....lb. .22 - .24
Bichromate, bgs., c.l., works....lb. .11½- —
l.c.l., works....lb. .11⅝- .11⅞
Potash bichromate in bbls., ¼c. higher
Borate, gran., bbls., c.l., works..ton. 200.00 - —
ton lots, works....ton. 218.50 - —
less ton lots works....ton. 223.50 - —
Bromide, USP, cryst., gran., bbls., kgs..lb. .28 - —
Carbonate, tech., calcined, bbls., c.l., works..lb. .07½- —
l.c.l., same basis....lb. .08 - —


DRISOY POINTS THE WAY

● The harvest of a new and large soybean crop adds emphasis to the importance of considering SPENCER KELLOGG'S DRISOY as a standard vehicle for use in many protective coatings.

The rapid growth of the soybean into one of the nation's greatest and most valuable crops has assured a constant supply of soybean oil at a relatively low price without dependence on overseas imports.

In DRISOY the trade now has "the soybean oil that dries" available in large quantity. Its experimental period is completed. It has been successfully used commercially in paints, varnishes and enamels, floor coverings, printing inks and all leading protective coating applications.

DRISOY points the way to better finishes at lower prices and in greater volume.

SPENCER KELLOGG AND SONS, INC.
BUFFALO 5, N. Y.

KELLOGG'S THE TEST TELLS 1894

*The first name in vegetable oils*

Potassium carbonate, hydrated, 83-85%, bbls., c.l., works..lb. .06 - —
dms., l.c.l., works.....lb. .06½- —
USP, gran., bbls., dms.....lb. .14 - .19
powd., bbls., dms.....lb. .20 - .25
Chromate, tech., bgs.....lb. .25 - .29
Chlorate, cryst., kgs., c.l., works..lb. .08¼- —
l.c.l., works.....lb. .09¾- —
powd., dms., kgs., c.l., works..lb. .09 - —
l.c.l., works.....lb. .09¾- —
export, kgs., 1 to 10 tons, ex whse..lb. .12 - —
Chloride, tech., cryst., 98%, bgs., kgs..lb. .08 Nom.
Citrate, USP, gran., bbls., dms..lb. .35½- .40¼
Potash citrate, USP, powd., 3c. per lb. higher.
Cyanide, dms., works.....lb. .55 - —
Fluoride, bbls.....lb. .34 - .40
Glycerophosphate, 75% solution, cbys. lb. 2.30 - —
Guaiacolsulphonate, NF, dms....lb. 1.80 - 1.85
Hydroxide, tech. (see Potash, caustic).
USP, sticks, dms.....lb. .84 - .86
Hypophosphite, cns.....lb. .72 - .75
Iodide, dms.....lb. 1.95 - 1.98
Manure salt, 22% $K_2O$, bulk, mines.. unit-ton. .20 - —
25% $K_2O$, bulk, mines..unit-ton. .21 - —
Metabisulphite, gran., bbls.....lb. .19 - .21
powd., bbls.....lb. .25 - —
Muriate, dom., 60% $K_2O$, bulk, Carlsbad, N. M..unit ton. .37¼- —
Trona, Cal.....unit ton. .45½- —
Nitrate (see Saltpeter).
Oxalate, neutral, tech., fine gran., bbls., dms..lb. .28 - .34
Perchlorate, kgs., works.....lb. .12½- .14
Permanganate, tech., dms., works..lb. .20¾- .21¼
USP, dms., works.....lb. .22½- .23
Persulphate, dms., c.l., works.....lb. .16 - —
l.c.l., works.....lb. .20 - —
Phosphate, tetrabasic, bbls., works.lb. .13 - .13½
Prussiate, red, kgs.....lb. .55 - .58
Yellow, bbls.....lb. .19 - —
Ricinoleate, tech., bbls.....lb. .18 - —
Silicate, glass, bgs., c.l., works..ton. 20.00 - —
l.c.l.....100 lbs. 15.25 - —
solution, 29° Be, ret. drums, c.l., works..100 lbs. 4.25 - —
solut., 29° Be, dms., l.c.l., 5 or more, works..100 lbs. 5.00 - —
1-4, works.....100 lbs. 5.50 - —
32° Be, ret. dms., c.l., works. 100 lbs. 4.75 - —
l.c.l., 5 or more, works. 100 lbs. 5.50 - —
1-4, works.....100 lbs. 6.00 - —
40.5° Be, ret. dms., c.l., works. 100 lbs. 5.75 - —
l.c.l., 5 or more, works. 100 lbs. 6.50 - —
1-4, works.....100 lbs. 7.00 - —
Sulphate, NF, cryst., bbls.....lb. .30½- .33¼
powd., bbls.....lb. .14½- .17
tech., dom., bulk, basis 90-95% $K_2O$, min. 90%, ex vessel
Atlantic or Gulf ports...ton. 36.25 - —
West coast ports.....ton. 39.25 - —
Sulphocyanide, cryst., N.F., dms..lb. .62 - .70
Thiocyanate (see sulphocyanide).
Titanate, cns., c.l., works.....lb. .12 - —
5 tons, works.....lb. .12¼- —
2,000 lbs. and less, works.....lb. .12½- .13
Xanthate, dms., c.l.....lb. .12 - —
Potassium-magnesium sulphate, bulk, min., 40% $K_2SO_4$ 18-20% MgO, ex vessel, ports..ton. 26.00 - —
Potassium-sodium ferricyanide, kgs., works..lb. .45 - .48
Potassium-sodium tartrate (see Rochelle salt).
Potassium-titanium oxalate, bbls., dms..lb. .50 - .55
Prickly ash bark, bls.....lb. .33 - .34
Berries, bgs.....lb. .20 - .21
Prince's pine herb, bls.....lb. .55 - .60
Procaine hydrochloride, cns., 200-lb. lots..lb. 4.50 - —
smaller lots.....lb. 4.75 - 5.50
Propane, commercial grade, tanks, group 3..gal. .04 - .05
Propionaldehyde, dms., c.l., works..lb. .16½- —
l.c.l., works.....lb. .17 - —
tanks, works.....lb. .15 - —
Propyl aldehyde (see Propionaldehyde).
Propylene dichloride, dms., c.l.....lb. .08½- —
l.c.l.....lb. .09½- —
smaller containers.....lb. .12½- —
tanks.....lb. .07 - —
Oxide, dms., c.l., frt. equald.....lb. .19 - —
l.c.l., same basis.....lb. .20 - .21
tanks, frt. equald.....lb. .17½- —
Propyleneglycol, dms., c.l., frt. alld. E..lb. .16 - —
l.c.l., same basis.....lb. .16½- .18
tanks, same basis.....lb. .14½- —
Propylthiouracil, bots, works.....kilo. 50.00 - —
Psyillium seed (see Fleaseed).
Pulsatilla herb, bls.....lb. .60 - .65
Pumice, dom., grd., coarse, 0, 1, 1½, 2, 3, bgs., ton..lb. .03½- .04
Chicago.....lb. .04½- —
smaller lots.....lb. .03½- .04¼
fine, bgs., ton.....lb. .03½- —
smaller lots.....lb. .03½- .04
Italian, silk-screen, fine, bgs., ton..lb. .04 - —
coarse, bgs., ton.....lb. .05½- —
sun-dried, fine, bgs., ton.....lb. .03 - —
coarse, bgs., ton.....lb. .04½- —
Pumice in bbls. is ½c. per lb. higher.
Pumpkin seed bgs.....lb. .27 - .30
Purple lake (see Red).
Pyrethrum concentrate, dewaxed, 20%; for aerosol bombs, dms., works..lb. 9.25 - 9.30
liquid (20 to 1), basis 2 grams pyrethrins per 100cc., odorless base, dms., works..gal. 6.50 - —
regular base, dms., works..gal. 6.65 - —
(30 to 1), base 3 grams pyrethrins, per 100 cc. odorless base, bbls., works..gal. 10.00 - —
Flowers, fine-grd., 0.9% pyrethrins, bbls., works..lb. .33¾- —
powder, 0.5% pyrethrins, bbls., works..lb. .25 - —
Pyridin, denaturing, ret. dms., works, frt. equald..gal. 1.55 - 1.90
refd., 2°, ret. dms., same basis..lb. .60 - .65
Pyridoxin hydrochloride, 100-gram lots. kilo. 650.00 - —
Pyrites, Spanish, c.i.f. Atl. ports. long-ton. 8.00 - 10.00
Pyrocatechin (see Catechol).
Pyronate, dms., c.l., divd. E. of Miss. gal. .70 - —
l.c.l., works.....gal. .70 - —
tanks, divd., E. of Miss.....gal. .60 - —
Pyronate prices W. of Miss., 3c. per gal. higher.
Pyrophyllite, standard, 200 mesh, bulk, c.l., mines..ton. 11.00 - 11.50
325 mesh, bulk, c.l., mines...ton. 14.00 - —
No. 3, 200 mesh, bulk, c.l., mines. ton. 9.50 - —
insecticide grade, 200 mesh, bulk, c.l., mines..ton. 9.00 - 10.00
rubber grade, 140 mesh, bulk, c.l., mines..ton. 7.00 - —
230 mesh, bulk, c.l., mines..ton. 12.00 - —
Pyrophyllite in paper bgs., $1.50-$2.50 per ton extra.
Pyroxylin scrap, opaque, amber, cs., works..lb. .17 - —
black, cs., works.....lb. .14 - —
gray, cs., works.....lb. .14 - —
mixed, mottled, cs., works...lb. .12 - —
white, china, ivory, cs., works. lb. .17 - —
dense, cs., works.....lb. .17 - —
translucent, pastels, cs., works..lb. .17 - —
transparent, colorless, cs., works. lb. .19 - —
colors, cs., works.....lb. .17 - —
shavings, opaque, amber, cs., works. lb. .15 - —
mixed colors, cs., works.....lb. .14 - —
white, cs., works.....lb. .17 - —

## Q

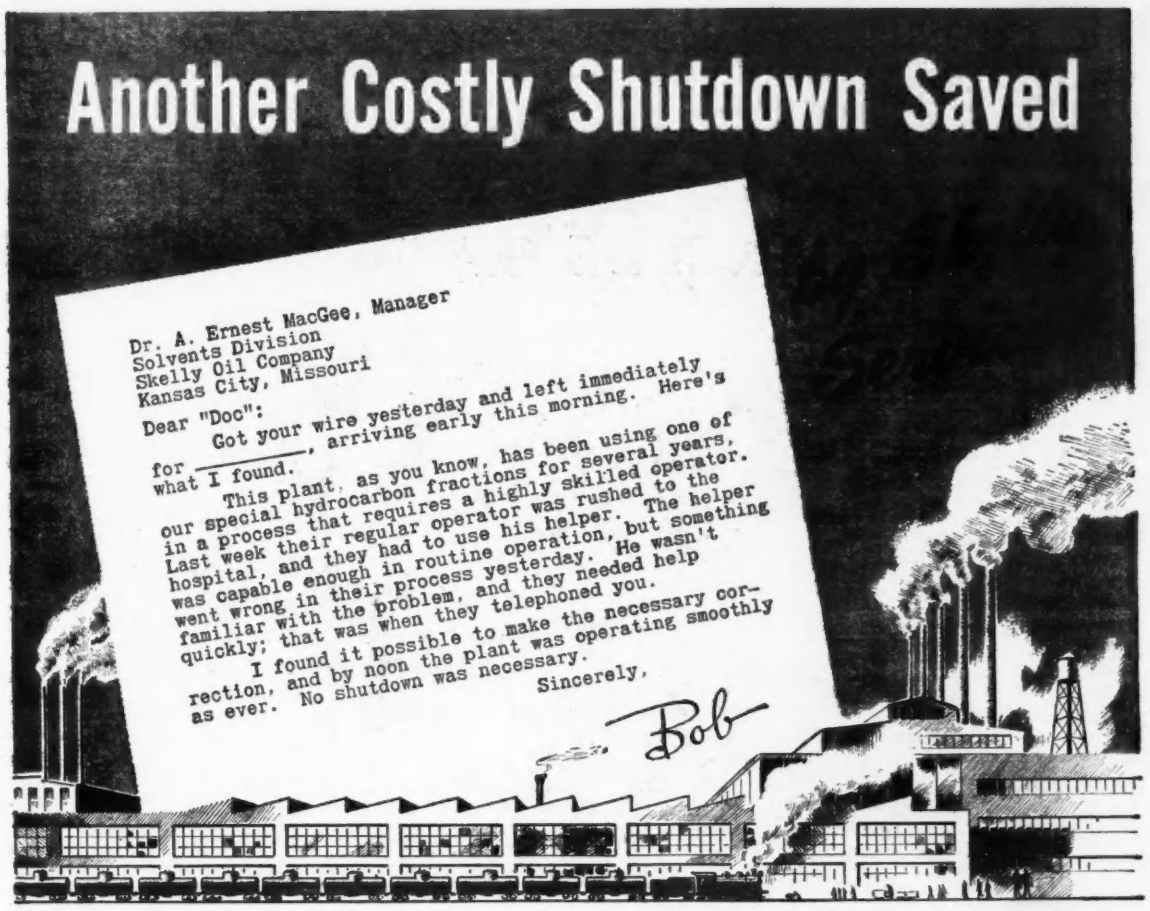
Quassia chips, bls.....lb. .07 - .09
Quebracho extract, clarified, grd., 70% tannin, bgs., c.l..lb. .13½- —
liq., 35% tannin, bbls., works..lb. .06½- —
tanks, same basis.....lb. .06 - —
powd., 70% tannin, bgs., c.l...lb. .14½- —
ordinary, lump, 63% tannin, bgs., c.l., ex dock, duty extra..lb. .0821- .0850
Quebracho extract prices are based on $20 freight and $1 insurance per long ton.
Queen of the meadow root bgs.....lb. .12 - .13
Quercitron crystals bbls.....lb. .32 - —
Extract, No. 1, bbls.....lb. .14 - —
solid, bxs.....lb. .27 - —
Quicksilver, flasks (76 lbs. net)..flask. 81.00 - 82.00
Quince seed, bgs.....lb. 1.20 - 1.80
Quinidine, NF, V, cryst., cns.....oz. No stocks
powd., precip., cns.....oz. No stocks
Sulphate, USP, cns.....oz. .95 - 1.15
Quinine, NF, cns., 100 ozs.....oz. .97½- —
Acetate, cns., 100 ozs.....oz. No stocks
Arsenate, cns., 100 ozs.....oz. No stocks
Arsenite, cns., 100 ozs.....oz. No stocks
Bisulphate, USP, cns., 100 ozs....oz. .73½- —
Citrate, cns., 100 ozs.....oz. No stocks
Dihydrobromide, bots., 50 ozs....oz. No stocks
Dihydrochloride, USP.....oz. .99½- —
Ethylcarbonate, NF, cns., 100 ozs.oz. No stocks
Ferrocyanide, cns., 100 ozs.....oz. No stocks
Formate, cns., 100 ozs.....oz. No stocks
Hydrobromide, NF, cns., 50-oz. cans. oz. .89½- —
Hydrochloride, USP, cns., 100 ozs.oz. .89½- —
Hydrochlorosulphate, cns., 100 ozs.oz. No stocks
Quinine hydroiodide, cns., 100 ozs..oz. No stocks
Hypophosphite, cns., 100 ozs.....oz. No stocks
Phosphate, NF, cns., 100 ozs.....oz. 1.03½- —
Salicylate, NF, cns., 100 ozs.....oz. .92½- —
Sulphate, USP, cns., 100 ozs.....oz. .80½- —
Sulphocarbolate, cns., 100 ozs.....oz. No stocks
Tannate, USP X, cns., 100 ozs....oz. No stocks
Tartrate, cns., 100 ozs.....oz. No stocks
Valerate, NF IV, 100 ozs.....oz. No stocks
Quinine-urea hydrochloride, NF, cns.oz. .94½- —
Quinolin, dms., c.l., works.....lb. .32 - .50

## R

R salt, dry, bbls.....lb. .61 - .72
paste, dms.....lb. .57 - —
Red, alizarin lake, bbls., divd. N. of Tenn. and N. C., E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.45 - 2.25
Prices ½c. per lb. higher divd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.), (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. per lb. higher, divd. Pacific coast prices equaled with Chicago, divd. Denver, Pueblo, Salt Lake City, Wichita.
Cadmium lithopone, deep shade, bbls., frt. alld. E. of Rockies..lb. 1.25 - —
light shade, bbls., same basis. lb. 1.10 - —
Maroon, bbls., same basis.....lb. 1.35 - 1.45
medium shade, bbls., same basis. lb. 1.20 - —
medium-light shade, bbls., same basis..lb. 1.15 - —
Red, cadmium, maroon, orange-red, bbls., same basis..lb. 1.05 - —
Red cadmium lithopone, all shades, in smaller pkgs. 5c. per lb. higher; all prices are 1c. per lb. higher ex whse., Los Angeles and San Francisco.
Carmine, No. 40, dms., works.....lb. 5.50 - 5.65
smaller containers, works.....lb. 6.10 - 6.18
Crocus martis (see Red, purple, oxide).
Dyes (see Dyes, coaltar).
Eosin toner, bbls., works.....lb. 1.35 - —
Indian, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N. Y.. lb. .10 - .10¼
English, all shades.....lb. .16 - —
Iron oxide, synth., bbls.....lb. .10½- .10¾
reduced, 85% copperas oxide, bbls., l.c.l., Bethlehem, Pa., Copley, O., Easton, Pa., E. St. Louis, and Trenton, N. J. lb. .06¾- —
80% copperas oxide, bbls., same basis..lb. .085 - .094
Lake C toner, alizarin, bbls., works lb. 1.05 - —
Lithol toner, bbls., works.....lb. .75 - .77
Lithol-rubin toner, alizarin lake, bbls., works..lb. 1.30 - —
Maroon, alizarin lake, 25%, kgs., works..lb. .40 - .43
toner, bbls., works.....lb. 1.35 - 1.50
Cadmium, deep, bbls., works...lb. 1.20 - —
regular, bbls., works.....lb. 1.10 - —
MNPT toner, kgs., works.....lb. 3.25 - —
Maroons in smaller pkgs., 5c. per lb higher.




# Another Costly Shutdown Saved


Dr. A. Ernest MacGee, Manager
Solvents Division
Skelly Oil Company
Kansas City, Missouri
Dear "Doc":
Got your wire yesterday and left immediately for _____, arriving early this morning. Here's what I found.
This plant, as you know, has been using one of our special hydrocarbon fractions for several years, in a process that requires a highly skilled operator. Last week their regular operator was rushed to the hospital, and they had to use his helper. The helper was capable enough in routine operation, but something went wrong in their process yesterday. He wasn't familiar with the problem, and they needed help quickly; that was when they telephoned you.
I found it possible to make the necessary correction, and by noon the plant was operating smoothly as ever. No shutdown was necessary.
Sincerely,
Bob

**"DOC" MacGEE SAYS:** Every user of special industrial naphthas recognizes certain qualities as being highly important in the product supplied him. Purity, uniformity, and dependability are not only desirable, they are essential.

Sooner or later, every user realizes the importance of another factor—*ability of the supplier to render special service in emergencies!* When that occasion arises, the quick and effective action Skelly is famous for may mean a great deal to you. The emergency may call for rushing you a tank truck or drum shipment of solvent from our Chicago bulk plant to cover a sudden shortage. It may entail double-rushing a shipment or diverting a tank car in transit; or, it may require sending out a specially trained man to help correct a stubborn problem.

Whatever the circumstances, you can depend on our snapping into action to give you help when you need it. That's one more reason why so many firms have found it pays to do business with Skelly! Write today for complete information on Skellysolve service.

SKELLY **Skellysolve**

SOLVENTS DIVISION, SKELLY OIL COMPANY, KANSAS CITY, MISSOURI

***SKELLYSOLVE***
***In the Ink, Paint, and Drug Field***

Skellysolve meets every special naphtha quality needed in this field . . . purity, uniformity, close boiling ranges, low evaporation, etc. That is why you can rely on every Skellysolve. There is one with special qualities for production of paint, varnish, oilcloth, ink, linoleum, and other related products . . . as well as for laboratory use. For instance, there is a full line of V. M. & P. naphthas, mineral spirits, and lacquer diluents, plus other special hydrocarbons. And, for help on your particular problems, remember to use the services of Skellysolve Technical Fieldmen.

### Red, Mercury Oxide—Sodium Arsenite

Red, mercury oxide, tech., bbls., 10,000 lbs., works..lb. 2.30 - —
smaller lots, works.....lb. 2.32 - —
Metallic, bbls., works.....lb. .02½- .02¾
Oxide (see Red, iron oxide).
Oxide, Persian gulf, bgs., works..lb. .06¾- —
Para toner, bbls.....lb. .85 - .88
chlorinated, kgs. .....lb. .95 - 1.05
concentrated, alizarin lake, kgs., works..lb. .80 - —
Phloxin toner (see Red, eosin toner).
Phosphotungsic, rhodamine Y, kgs., works..lb. 4.45 - —
Pink lake, alizarin, bbls., works..lb. .20 - .25
Purple lake, kgs.....lb. 1.35 - —
Rose lake, alizarin, bbls., works..lb. .25 - .28
Scarlet ink toner, kgs., works...lb. .55 Nom.
Spanish oxide, grade 1, c.l., bbls..lb. .05¼- .06½
Toluidin toner, alizarin lake, kgs., works..lb. 1.30 - —
Turkey, bbls., works.....lb. .14½- —
Tuscan, bbls., E. St. L.....lb. .21 - .23
Venetian, 15%, bgs., works.....lb. .0310- —
20%, bgs., works.....lb. .0320- —
25%, bgs., works.....lb. .0350- —
30%, bgs., works.....lb. .0380- —
35%, bgs., works.....lb. .0415- —
40%, bgs., works.....lb. .0440- —
Vermillion, Amer., bbls.....lb. .22¼- .48
Quicksilver, bbls.....lb. 2.50 - 2.65
Red precipitate, NF, powd., fib. dms. lb. 2.47 - 2.49
Red saunders wood, grd., bbls.....lb. .35 - —
Resorcinol, tech., dms., works.....lb. .68 - —
USP, cryst., dms., works.....lb. 1.70 - —
Rhatany root, bgs.....lb. .11 - .12
Rhubarb root, whole, cs.....lb. .65 - .67
powd., bbls. .....lb. .70 - .77
Riboflavin, bots.....kllo.150.00 - —
Rice bran concentrate, dms., Cedartown, Ga., or Emeryville, Calif.lb. .79 - —
Rochelle salt, gran., powd., bbls., 5,000 lbs..lb. .34½- —
smaller lots.....lb. .35 - —
Rose flowers, pale, bls.....lb. .24 - .26
Rosemary flowers, bls.....lb. 1.55 - 1.65
Leaves, French, bls.....lb. .13 - .13½
Portuguese, bls.....lb. .07½- .08
Spanish, bls.....lb. .13 - .13½
Rosin, gum (see Naval Stores, Protective Coatings market).
Wood, B, dms., c.l., works..100 lbs. 4.50 - —
FF, dms., c.l., works.....100 lbs. 6.50 - —
G, H, I, dms., c.l., works..100 lbs. 7.30 - —
K, dms., c.l., works.....100 lbs. 7.30 - —
M, dms., c.l., works.....100 lbs. 7.30 - —
N, dms., c.l., works.....100 lbs. 7.35 - —
WG, dms., c.l., works.....100 lbs. 7.35 - —
WW, dms., c.l., works.....100 lbs. 7.40 - —
X, dms., c.l., works.....100 lbs. 7.50 - —
Rotenone, bbls., works.....lb.20.00 -24.00
Extract, liq., dms., works..per unit. 1.75 - —
Powder (see Cube root).
Rottenstone, bgs., c.l., mines....ton.36.00 - —
l.c.l., mines.....ton.43.00 - —
Rue herb, bls.....lb. .45 - .48
Rutin, bots.....gram. .28½- .60

### S

Sabadilla seed, powd., bbls.....lb. .72 - .75
activated ground with lime, bbls.lb. .42 - .50
Saccharin, insoluble and soluble, dms., 1,000 lbs. ..lb. 1.30 - 1.90
smaller lots .....lb. 1.40 - 2.50
Safflower (see Saffron, Mexican).
Saffron, Mexican, bls.....lb. 1.55 - 1.60
Spanish, USP, tins.....lb.36.00 -38.00
boxes .....lb.31.50 -32.00
Safrol, cns. .....lb. .96 - 1.45
Sage, Cyprian, bls.....lb. .14 - .14¼
futures, bls. .....lb. .14¼- .15
Dalmatian, bls. .....lb. .29 - .29½
Greek, fancy, bls.....lb. .13¼- .14
Palestine, bls.....lb. .16 - .16½
Spanish, bls.....lb. .18½- .14
Sago flour, bgs.....lb. .09 Nom.
Salicin, bots. .....lb. No stocks
cns. .....lb. No stocks
Saligenin, dms., works.....lb.18.00 -20.00
Salol, gran., bbls., kgs.....lb. 1.00 - —
fib. dms.....lb. 1.02 - 1.05
Powdered salol, 10c. higher.
Salt, rock, bgs., c.l.....ton.17.50 - —
l.c.l. .....ton.21.70 - —
Table, vacuum, common, fine, bgs., c.l..ton.18.60 - —
l.c.l. .....ton.23.10 - —
Saltcake, dom., bulk, works.....ton.20.00 -26.00
Chrome (see Chrome cake).
Saltpeter, cryst., bbls., 10 tons, 100 lbs.12.40 - —
smaller lots.....100 lbs.12.95 -12.90
gran., bbls., 20 tons.....100 lbs. 8.00 - —
smaller lots.....100 lbs. 9.00 - 9.50
powd., bbls., 20 tons.....100 lbs. 9.00 - —
smaller lots.....100 lbs.10.00 -10.50
Saltpeter in bags is 25c. per 100 lbs. less than in barrels; in kegs it is $1 more.
Sanguinarine nitrate, bots.....oz. 4.75 - 5.50
Santonin, cryst., powd., cns.....kllo.175.00 -186.00
Saponin, No. 1, cns.....lb. 1.75 - 1.90
No. 2, cns.....lb. 1.40 - —
Sarsaparilla root, dom., bls.....lb. .45 - .50
Honduras, bls.....lb. .60 - .61
Mexican, bls.....lb. .57 - .60
Sassafras bark, ord., bls.....lb. .45 - .50
select, bls. .....lb. .65 - .70
Savory, French, bls.....lb. .21 Nom.
Saw palmetto berries, bgs.....lb. .23 - .24
Scammony resin, lump, cns.....lb. 2.10 - 2.25
powd., cns. .....lb. 2.20 - 2.30
Root, bgs. .....lb. .13 - .14
Schaeffer's salt, bgs.....lb. .60 - —
Seidlitz mixture, bbls., 5,000 lbs...lb. .27¾- —
smaller lots.....lb. .28¼- —
kegs, 5,000 lbs.....lb. .28¼- —
smaller lots.....lb. .28¾- —
Selenium, powd., cns., 10-lb. lots..lb. 2.10 - —
cs., 1,000-lb. lots.....lb. 2.00 - —
Senega root, bls.....lb. 2.25 - 2.50
Senna leaf, Alex., half-leaf, bls...lb. .26 - .27
siftings, bgs. .....lb. .23 - .24
Tinnevelly, No. 1, bls.....lb. .22 - .24
No. 2, bls. .....lb. .20 - .22
No. 3, bls. .....lb. .18 - .20
Pods, bls. .....lb. .53 - .54
Serpentaria root, bls.....lb. No stocks
Shellac, bleached, bonedry, bgs., 1,500-lb. lots..lb. .58½- —
bbls., 1,500-lb. lots.....lb. .59 - —
kgs., 1,500-lb. lots.....lb. .61 - —
refined, bgs., 1,500-lb. lots..lb. .66½- —
bbls., 1,500-lb. lots.....lb. .67 - —
kgs., 1,500-lb. lots.....lb. .69 - —
bonedry shellac sales of less than 1,500 lbs., at following additions to prices:—1c., more for bgs., bbls., or kgs.
Lemon, No. 1, bgs.....lb. .63 - —
No. 2, bgs.....lb. .61 - —
Superfine, bgs., 10 lbs.....lb. .56 - —
TN, bgs., 10 lbs.....lb. .54 - —
Shellac in 1 to 9 bgs., 1c. more.
Silica, amorph., dry-grd. 325 mesh, bgs., c.l., Ill. works..ton.24.00 -40.00
l.c.l., works.....ton.29.00 - —
wet-grd., 320 mesh, bgs., c.l. works..ton.24.00 -40.00
l.c.l., works.....ton.29.00 - —
hard-quartz, 99½% 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., works.....ton.25.00 - —
140 mesh, bgs., c.l., works....ton.15.00 - —
l.c.l., works.....ton.20.00 - —
Tetrachloride, tech., dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- .27
Silver bullion, ingots, cs.....oz. .74½- —
Cyanide, fib. dms., 2,500-oz. lots..oz. .61⅜- —
1,000-oz. lots.....oz. .61⅜- —
500-oz. lots.....oz. .61⅞- —
250-oz. lots.....oz. .62⅜- —
Nitrate, CP, cryst., bots., 2,500-oz. lots..oz. .47¼- —
1,000-oz. lots.....oz. .48½- —
500-oz. lots.....oz. .48¾- —
250-oz. lots.....oz. .49 - —
USP granular silver nitrate, 2c. per oz. higher.
Proteinate, mild, USP, bots., dms., 1,000-oz. lots..oz. .45 - —
strong, bots., dms., 1,000-oz lots. oz. .40 - —
Simarubra bark, bls.....lb. .85 - .86
Skullcap herb, Eastern, bls.....lb. .85 Nom.
Western, bls.....lb. .30 - .35
Skunk cabbage root, bls.....lb. .44 - .45
Slate flour, bgs., c.l., works.....ton.11.00 -12.00
l.c.l., ex whse.....ton.20.00 -60.00
Sloe berries, bgs.....lb. .35 - .40
Smalt, black, cns.....lb. .11 - —
Blue, cns.....lb. .16 - —
Snakeroot, Canada, bls.....lb. .63 - .65
Soapbark, bls.....lb. .24 - .25
crushed, bls., bbls.....lb. .32 - .33
cut, foreign, bbls.....lb. .32 - .33
powd., bbls.....lb. .30 - .31
Soda ash, dense, 58%, paper bgs., c.l., works..100 lbs. 1.38 - —
l.c.l., stock points, zone 1..... 100 lbs. 2.73 - —
2 .....100 lbs. 2.88 - —
3 .....100 lbs. 3.23 - —
4 .....100 lbs. 3.83 - —
bbls., c.l., works.....100 lbs. 1.78 - —
l.c.l., stock points, zone 1..... 100 lbs. 3.13 - —
2 .....100 lbs. 3.28 - —
3 .....100 lbs. 3.63 - —
4 .....100 lbs. 4.23 - —
bulk, c.l., works.....100 lbs. 1.18 - —
light, 58%, paper bgs., c.l., works.. 100 lbs. 1.30 - —
l.c.l., stock points, zone 1..... 100 lbs. 2.65 - —
2 .....100 lbs. 2.80 - —
3 .....100 lbs. 3.15 - —
4 .....100 lbs. 3.75 - —
bbls., c.l., works.....100 lbs. 1.70 - —
l.c.l., stock points, zone 1..... 100 lbs. 3.05 - —
2 .....100 lbs. 3.20 - —
3 .....100 lbs. 3.55 - —
4 .....100 lbs. 4.15 - —
bulk, c.l., works.....100 lbs. 1.10 - —
Soda ash prices f.o.b. stock points in zones indicated. Minimum quantity 500 lbs. For less than 500 lbs. prices are ex-warehouse. Sales zones are: (1) All States E. of Miss. R. and N. of south bound. of Ky. 31°, Tex. E. of 100°; S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones: Davenport, Ia., and St. Louis; (2) Ark., E. of 98° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb. E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 96°, Kans., Neb., W. of 98°, N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.
Caustic, flake, powd., 76%, dms., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd. zone 1.....100 lbs. 4.60 - —
zone 2.....100 lbs. 4.75 - —
zone 3.....100 lbs. 5.10 - —
zone 4.....100 lbs. 5.70 - —
liquid, 50%, sellers' tanks, works, dry basis..100 lbs. 2.25 - —
70%, sellers' tanks, works, dry basis..100 lbs. 2.35 - —
solid, 76%, dms., c.l., wks..100 lbs. 2.85 - —
l.c.l., dlvd. zone 1.....100 lbs. 4.20 - —
zone 2.....100 lbs. 4.35 - —
zone 3.....100 lbs. 4.70 - —
zone 4.....100 lbs. 5.30 - —
Prices f.o.b. stock points in zones indicated, minimum quantity 500 lbs; for less than 500 lbs., prices are ex-warehouse. Soda caustic zones are same as soda ash.
Sal, bgs., c.l.....100 lbs. 1.35 - —
works .....100 lbs. 1.10 - —
bbls., c.l.....100 lbs. 1.40 - —
works .....100 lbs. 1.20 - —
Sodium acetate, anhyd., dms., dlvd..lb. .09½- .11
cryst., NF, bbls.....lb. .07½- .08½
Alginate, refined, water-soluble, bbls., works..lb. .79 - —
semi-refined, bbls., works.....lb. .42 - —
white, powd., dms, works.....lb. 1.50 - 1.60
Alkylbenzene-sulphate, dms., works. lb. .13 - —
Aluminate, for water treat., bgs., c.l., works..100 lbs. 7.60 - —
l.c.l., works.....100 lbs. 8.40 - —
other uses, bgs., c.l., works.100 lbs. 7.60 - —
l.c.l., works.....100 lbs. 7.50 - 8.00
Antimoniate, bbls., c.l., dlvd.....lb. .27 - —
l.c.l., dlvd.....lb. .27¾- —
Arsenate, dealers, dms., c.l., works, lb. .12 - —
l.c.l., works.....lb. .13½- .13¾
Arsenite, gray, dealers, dms., c.l., works..lb. .10¾- —
l.c.l., works.....lb. .13¾- .13¾
Sodium arsenite, gray, ¾c. higher in Chi., 2c. higher in Houston, Tex., and Palo Alto, Calif.

GEARED TO THE NEEDS OF INDUSTRY

when it's basic chemicals

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BASIC CHEMICALS
GENERAL CHEMICAL COMPANY
FOR AMERICAN INDUSTRY

Sodium benzoate, tech., bbls., 2 tons..lb. .39 - —
smaller lots.....lb. .40 - .41
USP, dms., 2 tons.....lb. .46 - —
smaller lots.....lb. .47 - .52
Bicarbonate, USP, gran., bgs., c.l., works..100 lbs. 2.25 - —
l.c.l., works.....100 lbs. 2.75 - —
powd., bgs., c.l., works..100 lbs. 1.85 - —
l.c.l., works.....100 lbs. 2.35 - —
Bichromate, bgs., c.l., works....lb. .09 - —
l.c.l., works.....lb. .09¼- .09¾
Sodium bichromate, in bbls., ¼c. higher.
Bifluoride, bbls., c.l., frt. alld. E..lb. .11½- —
l.c.l., frt. alld.....lb. .13 - .14
kgs., l.c.l., frt. alld.....lb. .12½- .14
Bisulphite, powd., bbls., c.l., works. 100 lbs. 3.25 - —
l.c.l., works.....100 lbs. 3.75 - 4.00
solut, 32°, bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., works.....100 lbs. 1.65 - —
35°, bbls., c.l., works....100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.55 - —
40°, bbls., c.l., works.....100 lbs. 1.55 - —
l.c.l., works.....100 lbs. 1.80 - —
Borate (see Borax).
Bromide, USP, bbls., kgs., works. lb. .28 - —
Cacodylate, bots., dms.....lb. 8.50 -12.00
Carbonate (see Soda ash, Soda sal, Sodium monohydrate).
Chlorate, cryst., dms., c.l., works.lb. .06¾- —
l.c.l., works.....lb. .08 - —
powd., kgs., works.....lb. .08¼- —
Chloride (see Salt).
Chlorite, tech., dms., works.....lb. .75 - —
Chromate, bbls., dms., c.l., works..lb. .10¾- —
l.c.l., works.....lb. .10¾- .11
Citrate, USP VIII, bbls.....lb. .20 - —
dms.....lb. .21 - .25
USP XIII, gran., bbls.....lb. .26 - —
dms.....lb. .27 - .31
Sodium citrate, USP XIII, powd., prices ½c. higher.
Cyanide, 96-98%, dms.....lb. .14½- .15
Diacetate, 33-35% acidity, bbls., works, dlvd..lb. .10¼- .11½
anhydrous, dms., works.....lb. .11½- .13
Fluoride, white, 90%, bbls., c.l., works..lb. .09½- —
l.c.l., works.....lb. .09¾- —
95%, bbls., c.l., works.....lb. .09¾- —
l.c.l., works.....lb. .10 - —
Formate, bgs., c.l., works.....lb. .0605- .0650
l.c.l.....lb. .07 - .0790
Glutamate, monobasic, kgs.....lb. 1.46 - 1.48
Glycerophosphate, NF, flake, bbls. lb. 1.90 - —
powder, bbls.....lb. 1.95 - —
solution, 75%, cbys.....lb. 1.10 - —
50%, cbys.....lb. .85 - —
Hydrosulphide (see Sodium sulphydrate).
Hydrosulphite, dms., c.l., frt. alld.lb. .18½- .19
l.c.l., frt. alld.....lb .19 - .20
Hydroxide, tech. (see Soda, caustic).
USP, sticks, dms.....lb. .24 - .29
Hypophosphite, NF, cns.....lb. .67 - .70
Hyposulphite, tech., cryst., bgs., c.l., works, frt. equald..100 lbs. 2.75 - —
l.c.l., same basis.....100 lbs. 3.15 - —
pea cryst., bgs., works, frt. equald..100 lbs. 4.30 - 5.95
Soda, hyposulphite, crystals, in bbls., 40c. higher; pea crystals, dms., 50c. higher.
USP (see Sodium thiosulphate).
Iodide, USP, dms., jars.....lb. 2.72 - 2.83
Mandelate, dms.....lb. 3.25 - 3.35
Metaborate, gran., bgs., c.l., works, ton.90.50 - —
l.c.l., works.....ton.108.00 -113.00
Sodium metaborate in bbls., $20 per ton higher.
Metanilate, bgs.....lb. .48 - —
Metasilicate, anhyd., bbls., c.l., works 100 lbs. 4.00 - —
gran., bgs., c.l., works....100 lbs. 3.90 - —
l.c.l.....100 lbs. 3.90 - 4.25
bbls., c.l., works.....100 lbs. 3.40 - —
l.c.l.....100 lbs. 4.30 - 4.75
Monohydrate, bgs., c.l., works. 100 lbs. 2.60 - —
l.c.l., works.....100 lbs. 2.45 - —
Naphthionate, bbls.....lb. .46 - .55
Nitrate, crude, dom., bgs., c.l., works..ton.40.50 - —
bulk, c.l., works.....ton.37.00 - —
imp., 100-lb. bgs., c.l., Atl. Gulf, Pac. whse..ton.45.50 - —
bulk, c.l., same basis.....ton.42.50 - —
Nitrite, 99%, bbls., c.l., works, frt. equald..lb. .06¾- —
West coast ports....100 lbs. 8.00 - 8.05
l.c.l., dlvd.....100 lbs. 8.90 -11.00
Orthosilicate, anhyd., bbls., c.l., works, frt. equald....100 lbs. 4.00 - —
l.c.l., same basis.....100 lbs. 5.45 - 5.80
hydrated, flake, bbls.,c.l., works. 100 lbs. 4.00 - —
l.c.l., works.....100 lbs. 5.10 - 5.35
Oxalate, neut., bgs., works.....lb. .10 - —
Pentachlorophenate, briquets, bgs., works, frt. equald..lb. .17 - .19
powd., bgs., c.l., same basis..lb. .16 - .16¼
l.c.l., same basis.....lb. .17 - —
kgs., l.c.l., works, frt. equald..lb. .19 - —
Perborate, USP, bbls., c.l., works..lb. .14¾- —
l.c.l., works.....lb. .15½- —
Peroxide, dms., c.l., dlvd. E. of Miss. lb. .14 - —
smaller lots, same basis.....lb. .17 - —
Phosphate, dibasic, tech., anhyd., bgs., c.l., works.....100 lbs. 6.25 - —
l.c.l., works.....100 lbs. 6.75 - 7.00
cryst., bgs., c.l., works..100 lbs. 3.50 - —
l.c.l., works.....100 lbs. 3.75 - 3.90
USP, dried, bbls., dms., works.lb. .159 - —
monobasic, anhyd., bgs., c.l., works. 100 lbs. 7.25 - 8.25
l.c.l., works.....100 lbs. 7.65 - 9.00
tribasic, anhyd., bgs., c.l.,works, frt. equald..100 lbs. 7.00 - —
l.c.l., same basis.....100 lbs. 7.50 - 8.00
cryst., bgs., c.l., works, frt. equald..100 lbs. 3.50 - —
l.c.l., same basis.....100 lbs. 3.90 - —
kgs., c.l., same basis.....100 lbs. 4.25 - —
l.c.l., same basis.....100 lbs. 4.45 - —
Sodium phosphates in bbls. 40c. higher than bgs.
USP (see Sodium phosphate, dibasic).
Prussiate, yellow, bgs.....lb. .12 - —
bbls.....lb. .12¼- —
Pyrophosphate, acid, bgs., c.l., works, frt. equald..100 lbs.10.50 -11.25
l.c.l., same basis.....100 lbs.10.75 -12.00
ferric, dms., 10,000 lbs., works. lb. .22 - —
smaller lots, works.....lb. .22½- —
tetrabasic, anhyd., bgs., c.l., works, frt. equald..100 lbs. 6.00 - —
Ricinoleate, tech., bbls.....lb. No stocks
Salicylate, dms.....lb. .57 - .60
Sesquicarbonate, bgs., c.l., works. 100 lbs. 1.60 - —
bbls., c.l., works.....100 lbs. 1.80 - —
Sesquicarbonate, bbls., l.c.l., dlvd., zone 1..100 lbs. 2.70 - —
zone 2.....100 lbs. 2.85 - —
zone 3.....100 lbs. 3.10 - —
zone 4.....100 lbs. 3.50 - —
Sodium sesquicarbonate l.c.l. price zones are same as those for soda ash.
Sesquisilicate, bbl., c.l., works. 100 lbs. 3.90 - —
l.c.l., dlvd.....100 lbs. 5.15 - 5.30

Sodium silicate, 40°, turbid, dms., c.l., works..100 lbs. .95 - 1.15
l.c.l., works.....100 lbs. 1.20 - 1.30
tanks, works.....ton.15.00 - —
52°, turbid, dms., c.l., works, 100 lbs. 1.65 - —
l.c.l., works.....100 lbs. 1.80 - 2.00
tanks, works.....ton.27.00 - —
Silicofluoride, bbls., c.l., works....lb. .07½- —
l.c.l., works.....lb. .08½- —
Stannate, dms., works, frt. alld. E..lb. .43½- .47½
Stearate, bbls., works.....lb. .19 - .24
Sulphate, NF VII, dried, powd., bbls..lb. .10 - .10½
tech., anhyd., bgs., c.l., works. 100 lbs. 2.10 - —
l.c.l., works.....100 lbs. 2.35 - 2.60
cryst. (see Glauber's salt).
USP, cryst., gran., bbls.....lb. .07 - .07½
Sulphide, cryst., bbls., c.l., works. 100 lbs. 3.75 - —
l.c.l., dlvd.....100 lbs. 4.15 - —
flake, bbls., c.l., works....100 lbs. 4.50 - 5.50
l.c.l., works.....100 lbs. 5.00 - 5.75
lump, bbls., c.l., works...100 lbs. 4.00 - 5.50
l.c.l., dlvd.....100 lbs. 4.50 - 5.75
Sulphite, cryst., bgs., c.l., works... 100 lbs. 2.60 - —
l.c.l., works.....100 lbs. 3.00 - —
bbls., c.l., works.....100 lbs. 3.00 - —
l.c.l., works.....100 lbs. 3.40 - —
powd., bbls., c.l., works....100 lbs. 5.25 - —
l.c.l., works.....100 lbs. 5.50 - 6.00
Sulphocarbolate, USP fX, gran., bbls., dms..lb. .36 - .38
powd., bbls.....lb. .30 - .35
Sulphocyanide, CP, dms.....lb. .55 - .65
tech., dms., works.....lb. .30 - —

Sodium sulphoricinoleate, bbls.....lb. .12 - —
Sulphydrate, flake, 70-72%, dms., c.l..lb. .05 - —
liquid, 45%, tanks, works....lb. .04¼- —
Thiocyanate (see Sodium sulphocyanide).
Titanate, ctns., c.l., works.....lb. .10 - —
5 tons, works.....lb. .10¼- —
2,000 lbs. and less, works.....lb. .10½- .13½
Tripolyphosphate, bgs., c.l., works, frt. equald..lb. .07¼- —
l.c.l.....lb. .07¾- —
Thiosulphate, tech. (see Sodium hyposulphite).
USP, cryst., bbls.....lb. .10 - .12
Tungstate, tech., bgs.....lb. 1.45 - —
Sodium-ammonium phosphate, bbls., works, frt. equald..lb. .23 - —
Sodium-carboxymethylcellulose, high vis., ctns., 2,000 lbs., works frt. alld..lb. .66 - —
smaller quantities, same basis.lb. .70 - —
Low and med. vis., ctns., 2,000 lbs., same basis..lb. .62 - —
smaller quantities, same basis.lb. .66 - —
Sodium-cinchophen, bots., dms., works. lb. 5.00 - 5.10
Sodium-formaldehyde sulphoxalate, stand. cont..lb. .19 - .22
Sodium-sulpha drugs (see Sulpha name).
Solvent naphtha, coaltar, dms., works. gal. .26 - —
tanks, E. of Omaha, frt. alld. gal. .23 - —
W. of Minnequa, Colo., works, gal. .23 - —
high-flash, dms., works.....gal. .32 - —
tanks, frt. alld. E. of Omaha to 2c. to 3¼c. per gal..gal. .27 - —

Solvent, petroleum, 100° F. flash, tanks, Baytown, Tex..gal. .22 - —
150°F. flash, tanks, same basis. gal. .22 - —
Sorbitol, com'l, dms., c.l., works..lb. .25½- —
l.c.l., works.....lb. .26 - .35
Soybean flour, industrial, bgs., 40,000 lbs., works..lb. .067 - —
20,000 lbs., works.....lb. .069 - —
smaller lots, works.....lb. .071 - —
Protein, bgs., 40,000 lbs., works..lb. .29 - —
20,000 lbs., works.....lb. .29¼- —
smaller lots, works.....lb. .29½- .33
Spearmint leaves, bls.....lb. .48 - .49
Spikenard root, bls.....lb. .50 - .55
Spruce extract, liq., reg., tanks, works. lb. .01¾- —
powd., super, bgs., c.l., works..lb. .05¼- —
Squaw vine, leaves, bls.....lb. .45 - .50
Squill, red, fortified, powd., bbls., boxs. lb. 1.60 - —
White, bls.....lb. .10 - .12
powd., bbls., bxs.....lb. .16 - .20
St. Ignatius beans, bgs.....lb. No stocks.
St. John's bread, edible, bls.....lb. .12 - .15
Starch, corn, pearl, paper bgs., c.l. 100 lbs. 7.02 - —
Chicago .....100 lbs. 6.57 - —
l.c.l. .....100 lbs. 7.28 - —
powd., paper bgs., c.l.....100 lbs. 7.13 - —
Chicago .....100 lbs. 7.63 - —
l.c.l. .....100 lbs. 7.39 - —
Prices for corn starch in cotton bags, 17c. higher.
Potato, bgs., c.l.....lb. .0909- .1075
l.c.l. .....lb. .09¾- .11
Rice, bgs., c.l.....lb. No stocks
Sweetpotato, bgs., c.l.....lb. No stocks
Wheat, bgs.....lb. .0720- .0775

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IN QUALITY
TRADE MARK REG. U.S. PAT. OFF.
SOLVAY
TRADE MARK REG. U. S. PAT. OFF.
PRODUCTS FOR THE GLASS INDUSTRY
Ammonium Bicarbonate
Potassium Carbonate
Caustic Potash
Soda Ash
SOLVAY SALES CORPORATION
Alkalies and Chemical Products Manufactured by The Solvay Process Company
40 Rector Street, New York 6, N. Y.

### Stavesacre Seed—Yellow, Hansa, Primrose

Stavesacre seed, bgs.....lb. .60 - .61
Stearin, oleo (see Oleostearin).
Stillingia root, bls.....lb. .45 - .50
Stoneroot, bls.....lb. .07½- .08
Storax, USP, cs.....lb. 1.00 - 1.10
Stramonium leaves, bgs.....lb. .20 - .26
Seed, bgs.....lb. .20 - .21
Streptomycin, hospitals.....gram 3.40 - —
wholesalers.....gram 2.72 - —
Strontium bromide, NF, cns., dms. cs. .53 - .53
Carbonate, 90%, bbls.....lb. .14 - .16
98%, bbls.....lb. .23 - .25
Chloride, tech., bbls.....lb. .22 - .24
Chromate, bbls., kgs., Phila.....lb. .40 - .42
Iodide, jars, 25 lbs.....lb. 3.00 - 3.06
Lactate, dms.....lb. 1.30 - 1.35
Nitrate, bbls., c.l., works.....lb. .07¾- —
l.c.l., works.....lb. .08¼- .08¾
Oxalate, bbls., works.....lb. .38 - .40
Salicylate, NF, dms.....lb 1.25 - 1.32
Sulphate, air-floated, 90% 325 mesh, bbls., works..ton.58.00 - —
Strontium-calcium sulphide, phosphorescent dms., works.lb. 2.50 - 2.55
Strophanthin, bots.....oz.80.00 -50.00
Strophanthus seed, Kombe, bgs....lb. 2.25 - 2.30
Strychnine, NF, powd., cns., 100 ozs. oz. 1.25 - —
Sulphate, USP, powd., cns., 100 ozs. oz. 1.00 - —
Styrolyl acetate, bots.....lb. 2.50 - 3.10
Sucrose octa-acetate, denat., bbls., l.c.l., works..lb. .35 - —
tech., bbls., l.c.l., works.....lb. .30 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphadiazin, USP, dms., works...lb. 9.00 - 9.10
Sulphadiazin - sodium, USP, dms., works..lb.10.50 -10.60
Sulphaguanidin, USP, dms., works, lb. 4.50 - 4.60
Sulphamerazin, USP, dms., works, lb. 9.00 - 9.10
Sulphamazerin - sodium, USP, dms., works..lb.10.50 -10.60
Sulphanilamide, USP, powd., bots., works..lb. 1.05 - 1.10
Sulphanilamide, 30-60 mesh, 10c. higher.
Sulphapyridin, NF, powd., bots., tins, works..lb. 5.00 - 5.15
Sulphapyridin - sodium, powd., bots., dms., works..lb. 5.00 - 5.15
Sulphathiazole, USP, powd., dms., works..lb. 3.00 - 3.15
Sulphathiazole - sodium, USP, dms., works..lb. 3.00 - 3.15
Sulphonethylmethane, NF, kgs.....lb. 6.75 - 6.85
Sulphonmethane, NF, kgs.....lb. 5.25 - 5.35
Sulphur, crude, c.l., bulk, mines, contract..long ton.18.00 - —
vessels, Gulf ports, contract, long ton.19.50 - —
export.....long ton.20.00 - —
flour, comm'l, 99½%, bgs., c.l., works..100 lbs. 1.90 - —
l.c.l., works.....100 lbs. 2.50 - 2.85
precipitated, USP, bbls., kgs.....lb. .18 - .30
refined, flour, extra fine, bgs., c.l., works..100 lbs. 3.15 - —
l.c.l., works.....100 lbs. 3.50 - 3.90
heavy, bgs., c.l., works..100 lbs. 2.55 - 3.15
l.c.l., works.....100 lbs. 2.85 - 3.45
light, bgs., c.l., works....100 lbs. 2.75 - 3.15
l.c.l., works.....100 lbs. 3.05 - 3.75
flowers, USP, bgs., c.l.....100 lbs. 3.60 - —
l.c.l., works.....100 lbs. 3.90 - —
Refined sulphur flowers in bbls., 35c. higher.
rocks, bgs., c.l., works.....100 lbs. 2.75 - —
l.c.l., works.....100 lbs. 2.15 - 2.75
roll, bbls., c.l., works.....100 lbs. 2.45 - 3.05
l.c.l., works.....100 lbs. 2.45 - 3.45
rubbermakers', bgs., c.l., works, 100 lbs. 1.50 - 2.00
Sulphur chloride, 55-gal. dms., c.l., works..lb. .03¼- —
l.c.l., works.....lb. .04¼- —
10-gal. dms., c.l., works.....lb. .07¾- —
l.c.l., works.....lb. .08¼- —
Dioxide, liquid, com'l, cyls., works, lb. .035 - —
multi-unit cars, works.....lb. .06 - —
tanks, works.....lb. .044 - —
refrigeration, cyls., l.c.l., works, lb. — - —
Iodide, bots., jars.....lb. 3.90 - 4.11
Sumac bark, 28%, grd., bgs., ex dock, ton.85.00 - —
Extract, No. 1, bbls.....lb. .10½- —
No. 2, bbls.....lb. .09 - —
crystals, bbls.....lb. .40 - —
stainless, bbls.....lb. .11 - .13¼
Leaves, 30%, bgs., ex dock.....ton.95.00 - —
Superphosphate run-of-pile, under 22% a.p.a. pulv., bulk, Balto.unit-ton. .76 - —
Florida.....unit-ton. .56 - .59
other points.....unit-ton. .57 - .59
Delivery points, Ariz., Calif., Colo., Ida., Kans., Nev., N. M., Ore., Utah, Wash., 88½c. per unit-ton plus frt. charges from Anaconda, Mont., in excess of $18.03 per ton; guaranteed 18, 19 or 20% a.p.a., ½c. per unit-ton higher.
Triple, 48% or more, a.p.a., pulv., bulk..unit-ton. .71 - —
South Carolina.....unit-ton. .75 - —
Tennessee.....unit-ton. .80 - —
Prices on 48% triple superphosphate in other states and D.C., 71c. per unit-ton plus frt. charges from E. Tampa, Fla. Superphosphate, gran., 2c. per unit-ton higher than pulverized.
Sweet basil, bls.....lb. 1.10 - 1.25
Vanilla beans, Bourbon, tins.....lb. 7.75 - 8.50
Mexican, cuts, tins.....lb. 8.50 - 9.00
whole, tins.....lb.10.00 -11.00
Tahiti, tins.....lb. 4.00 - 4.25

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Talc, dom., ordinary, grd., bgs., c.l., New York works..ton.21.00 - —
l.c.l., works.....ton.22.50 -24.50
Calif., bgs., c.l., works.....ton.22.00 -30.00
Vermont, bgs., c.l., works..ton.14.00 - —
l.c.l., works.....ton.17.50 - —
Sprous, New York, off-color, grd., bgs., c.l., works..ton.24.00 - —
l.c.l.....ton.26.50 -28.00
$8.95-99.95%, grd., bgs., c.l., works..ton.21.00 - —
l.c.l., works.....ton.24.50 - —
98-99.5%, grd., bgs., c.l., works, ton.25.00 - —
l.c.l., works.....ton.30.00 - —
Imp., Canada, grd., bgs., c.l.....ton.35.00 -45.00
Tallow, inedible, extra, loose.....lb. .22¾- —
fancy, loose.....lb. .23 - —
special, loose.....lb. .22½- —
sulphonated, 25%, dms.....lb. .12 Nom.
50%, dms.....lb. .15 Nom.
Tamarinds, bbls.....lb. .10 - .12
Tankage, animal, feeding, 9-11% ammon., bulk..unit-ton.10.00 - —
Chicago.....unit-ton.10.00 - —
fertilizer, 9% ammon., 10% b.p.l., Chicago..unit-ton. No stocks
10-11% ammon., 15% b.p.l., bulk bulk..unit-ton. No stocks.
Tansy leaves, bls.....lb. .15 - .16
Tapioca flour, high grades, bgs.....lb. .099 - .10
medium grades, bgs.....lb. .089 - .09
Java, bgs.....lb. No stocks.
Tar acid oil, 15-18%, ret dms., c.l., works..gal. .35 - —
l.c.l., works.....gal. .38 - —
25%, dms., c.l., works.....gal. .41 - —
l.c.l., works.....gal. .44 - —
Tar, coal (see Coaltar).
Pine (see Pinetar).
Tara pods, bgs., c.l., ex dock U. S. ports..long ton. No prices
powd., bgs., c.l., same basis.long ton.225.00- —
Tarragon herb, bgs.....lb. .23½- .24
Leaves, bgs.....lb. .95 - 1.00
Tartar emetic, tech., gran., or powd., bbls., kgs..lb. .41 - —
dms.....lb. .41½- .44
USP, powd., bbls., dms., kgs...lb. .45 - .48
Terpin hydrate, com'l, bbls., c.l.....lb. .24½- —
l.c.l.....lb. .25 - 25½
USP, cryst., bbls., dms.....lb. .70 - .75
powd., bbls., dms.....lb. .75 - .80
Terpineol, Alpha (see A).
com'l, dms., c.l., South.....lb. .13½- —
l.c.l., South.....lb. .14 - —
tanks, South.....lb. .13 - —
pure, dms.....lb. .49 - .56
extra, dms.....lb. .47 - .71
Terpinglycol ether, dms., c.l., works, lb. 19½- —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .19 - —
Terpinyl acetate, extra, cns., dms..lb. .80 - 1.10
prime, cns., dms.....lb. .61 - 1.00
Terra alba (see Gypsum).
Tetrachloroethane, dms., works.....lb. .08 - 08½
Tetrachloroethylene, USP, 55-gal. dms., works..lb. .20 - .21½
smaller dms., works.....lb. .23½- .25
tech. (see Perchloroethylene).
Tetraethyl orthosilicate, dms., works, lb. .65 - —
Tetraethylenepentamine, tanks, works, lb. .50 - —
Tetrapotassium phosphate (see Potassium phosphate).
Tetrasodium pyrophosphate (see Sodium pyrophosphate).
Thallium sulphate, 99%, bots., works, lb.20.00 - —
Theobromine, bots., kgs.....lb. 5.15 - —
Thiamine hydrochloride, dms., 100 grams..kilo.160.00 - —
Thiocarbanilide, dms.....lb. .24 - —
Thiouracil, dms., works.....lb. 5.50 - 5.60
Thiourea, tech., dms., works.....lb. .40 - —
Thorium nitrate, cs., works.....lb. 3.00 - —
Thyme, French, bgs.....lb. No stocks
futures, bgs.....lb. .19½- .20
Spanish, bls.....lb. .11 - .11½
Thymol, USP, kgs.....lb. 3.65 - 3.75
Iodide, NF, dms.....lb 3.55 - 4.25
Timbo root (see Cube root).
Tin crystals, bgs., bbls., works....lb. .55 - .60
Metal, Bolivian.....lb. .80 - —
Straits.....lb. .80 - —
Oxide, bbls.....lb. .80 - .82
Tetrachloride, anhyd., dms., works, lb. .50 Nom.
Titanium dioxide, anatase, chalk-resistant, bgs., c.l., dlvd.....lb. 16½- —
l.c.l., dlvd.....lb. 17 - .17½
plain, bgs., c.l., dlvd.....lb. 16½- —
l.c.l., dlvd.....lb. 17½- —
rutile, natural, granular, bgs., c.l., works..lb. .06¾- —
l.c.l., works.....lb. .06½- —
milled, bgs., c.l., works.....lb. .06¾- —
l.c.l., works.....lb. .06¾- —
nonchalking, bgs., c.l., dlvd. E. lb. .18½- —
l.c.l., dlvd. E.....lb. .19 - .19½
Hydride, cns., works.....lb. 7.00 - 8.00
Pigment, barium base, bgs., c.l., dlvd..lb. 06½- —
l.c.l., dlvd.....lb. .07 - —
Calcium base, bgs., c.l., dlvd..lb. 06¼- —
l.c.l., dlvd.....lb 06¾- —
Calcium-rutile base, bgs., c.l., dlvd. lb. .06¼- —
l.c.l., dlvd.....lb. .06¾- —
Magnesium base, bgs., c.l., dlvd...lb. No prices
l.c.l., dlvd.....lb. No prices
Titanium dioxide and pigment in bbls., ¼c. higher; Pac. coast, c.l., dlvd., l.c.l., ex whse., ½c. higher.
Tetrachloride, CP, 55-gal. dms., works..lb. .57 - —
smaller, pkgs., works.....lb. .65 - 1.22
technical, 55-gal. dms., works..lb. .32 - —
smaller pkgs., works.....lb. .40 - 1.00
Tolu balsam, cns.....lb. 3.55 - 3.75
Toluene (see Toluol).
Tolidin base (see Orthotolidin).
Toluol (toluene) 2°, indust., ret. dms., works, gal. .28 - —
tanks, E. of Omaha, frt. alld..gal. .28 - —
W. of Minnequa, Colo., works, gal. .23 - —
Prices on 2° toluol from petroleum, tanks delivered (maximum freight allowance in parentheses), are:—Ark., 23c.; Chicago, 23c. (2¾c.); Del.-Md.-D. C., 23c. (2¾c.); Detroit, 23c. (1 8/10c.); La., 23c.; N. E., 23c. (2¼c.); N. J., 23c.; N. Y., 23c.; E. Tenn. & N. C., 25c. (5c.); Pa., 23c. (2¾c.); S. C., 23c.; W. Tenn., 23c. (3½c.); Va., 24c. (3½c.); W. Va., 23c. (2¾c.).
1° nitration, ret. dms., works....gal. .28 - —
tanks, E. of Omaha, frt. alld..gal. .23 - —
W. of Minnequa, Colo., works..gal. .23 - —
Tonga, 50% bark and vine, bls....lb. .90 - .91
Tonka beans, Angostura, cks.....lb. 1.70 - 1.80
Brazilian, cs.....lb. .85 - .90
Surinam, cs.....lb. .85 - .90
Totaquine, USP, 100-oz. lots.....oz. .52 - —
Triacetin, dms., works.....lb. .40½- —
Tributyl citrate, dms.....lb. .41 - .50
smaller pkgs.....lb. .52 - .56
Phosphate, dms., l.c.l., frt. alld., E. of Rockies..lb. .68 - —
smaller pkgs.....lb. .72 - .74
Tributylamine, dms., c.l., works..lb. .78 - —
l.c.l., works.....lb. .81 - —
tanks, same basis.....lb. .07½- .09½
Trichlorobenzene, dms., c.l., works, frt. alld. or equald..lb. .08½- .11
l.c.l., same basis.....lb. .09½- .12
Trichloroethane, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .17 - —
Trichloroethylene, tanks, c.l., frt. alld., zone 1..lb. .09¾- —
zone 2.....lb. .10½- —
zone 3.....lb. .11 - —
zone 4.....lb. .11 - —
Trichloroethylene dm., c.l. prices ½c. higher; l.c.l. 1½c. higher. Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont., (E), N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.
Triresyl phosphate, coaltar, dms., c.l., frt. equald..lb. .32¼- .33
l.c.l., dlvd.....lb. .33 - .33½
tanks, dlvd.....lb. .31 - .32
petroleum, dms., c.l., dlvd.....lb. .37 - —
l.c.l., dlvd.....lb. .37½- —
tanks, dlvd.....lb. .36 - —
Triethanolamine, dms., c.l., frt. alld. E..lb. .20½- —
l.c.l., same basis.....lb. .21½- —
smaller containers.....lb. .24½- —
tanks, same basis.....lb. .19 - —
Triethyl citrate, dms.....lb. .34 - .42
smaller pkgs.....lb. .45 - —
Phosphate, dms., works, c.l.....lb. .38 - —
dms., l.c.l., same basis.....lb. .39 - —
tanks, same basis.....lb. .37 - —
Triethylamine, dms., c.l., works, basis 100%..lb. .34 - —
l.c.l., works, basis 100%.....lb. .36 - —
tanks, works, basis 100%.....lb. .30 - —
Triethyleneglycol, dms., c.l., frt. alld. E..lb. .18½- .19
l.c.l., same basis.....lb. .19½- .21
tanks, same basis.....lb. .17½- —
Triethylenetetramine, tanks, works.lb. .50 - —
Trimethylamine, anhydrous, cyl., works, basis 100%..lb. .29½- 39½
25%-40%, dms., c.l., works, basis 100%..lb. .29 - —
l.c.l., works, basis 100%.....lb. .29½- —
tanks, works, basis 100%.....lb. .25 - —
Triphenyl phosphate, bbls., c.l., frt. equald..lb. .26 - —
l.c.l., frt. alld.....lb. .27 - —
Tripoli, air-floated, bgs., c.l., works.lb. .0176- —
double-grd., c.l., works.....lb. .016 - —
single-grd., bgs., c.l., works.....lb. .015 - —
Trisodium phosphate (see Sodium phosphate, tribasic).
Tuba root (see Cube root).
Tungsten metal, powd., 99.9%, dms., works..lb. 4.75 - —
Oxide, kgs., works.....lb. 2.85 - —
Turmeric root, Alleppey, bls.....lb. .21½- .22
Haitian, futures, bls.....lb. .11½- .12
Jamaica, futures, bls.....lb. .15½- .16
Madras, bgs.....lb. .18½- .19
Turpentine, gum (see Naval Stores, Protective Coatings market).
Sulphate, ret. dms., East.....gal. .65 - —
tanks, East.....gal. .60 - —
Wood, dest.-dist., dms., incl., c.l., works, South..gal. .45 - —
l.c.l., same basis.....gal. .46 - —
N. Y. whse.....gal. .60 - —
steam-dist., dms. incl., l.c.l., East. gal. .76 - —
tanks, South.....gal. .55 - —

## U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, bgs.....lb. 2.55 - —
yellow, kgs.....lb. 1.65 - —
Urea, dom., 46% N., bgs., c.l., works or ship. pts..ton.69.00 -71.00
l.c.l., bgs., ship. pts.....ton.73.00 - —
fertilizer comp., 42% N., bulk, c.l., works or Atlantic or Gulf ports. ton.73.00 - —
Urea-ammonia liquor (A and B), free ammonia content, Belle, W. Va., freight equalized with Hopewell, Va..ton.59.00 - —
fixed ammonia content, Belle, W. Va., freight equalized with Hopewell, Va..NH3-ton.112.80 - —
C and D prices for Urea-ammonia liquor are $1.20 per ton of nitrogen higher than the A and B respectively for the same destinations.
Uva ursi leaves, bls.....lb. .13 - .14

## V

Valerian root, Belgian, NF, bls...lb. .56 - .58
Indian, bls.....lb. .40 - .41
Valonia beards, bgs., ex dock.....ton.73.00 -75.00
Cups, bgs., ex dock.....ton.53.00 -54.00
Extract, powd., bgs., ex dock, duty extra..lb. .10½- .10¾
Vanadium pentoxide, CP, bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.20 - —
Vanilla beans, Bourbon, tins.....lb. 7.75 - 8.50
Mexican, cuts, tins.....lb. 8.50 - 9.00
whole, tins.....lb.10.00 -11.00
Tahiti, tins.....lb. 4.00 - 4.25
Vanillin, ex eugenol, tins, 25 lbs....lb. 4.50 - —
smaller lots.....lb. 4.75 - 4.65
ex guaicol, tins, 25 lbs.....lb. 3.00 - —
smaller lots.....lb. 3.05 - 3.15
ex lignin, dms., 25-lb. lots.....lb. 3.00 - 4.50
tins, smaller lots.....lb. 3.05 - 3.15
smaller lots, tins.....lb. 3.05 - 3.15
Venice turpentine, artif., cns.....lb. .24 - .26
Verdigris, bbls.....lb. .28 - .29
Vinyl acetate, 55-gal. dms., works..lb. .16½- .17½
5-gal. cns., works.....lb. .30 - —
tanks, works.....lb. .15 - —
Trichloride (see Trichloroethane).
Vinylpyridin, ret. dms., works....lb. 1.50 - —
Viosterol, bots., 100 billion USP units mill units .04 - —
1 billion USP units....mill units .05 - —
100 million USP units..mill units .07 - —
Vitamin A (see Oils, codliver, fishliver). A concentrate, dms., works.... mill. units .36 - .40
$B_1$ (see Thiamine hydrochloride).
$B_2$ (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
$B_6$ (see Pyridoxin).
C (see Acid, ascorbic).
D (see Oils, codliver and fishliver, Calciferol and Viosterol).
$D_2$ (See Calciferol).
E (see Alphatocopherol and Oil, wheatgerm).
G (see Riboflavin).
P-F (see Acid, nicotin, and Nicotinamide).
Violet, methyl, toner (see M).
V.M.P. naphthha (see Petroleum naphtha).

## W

Wahoo root bark, bls.....lb. 2.25 - 2.30
Tree bark, bls.....lb. .45 - .50
Wattle bark, fair average, or E. Afr., bgs., ex dock..ton.69.00 -71.00
merchantable, bags, ex dock..ton.65.00 -67.00
Extract, liquid, 35% tannin, bbls., works..lb. .06¾- .07¾
tanks, works.....lb. .06¼- .06¾
solid, E. Afr., 61% tannin, ex dock, duty extra..lb. .07¾- —
S. Afr., 62% tannin, ex dock, duty extra..lb. .07¾- —
Wattle extract prices based on $17 freight and $1 insurance per long ton.
Wax, amorphous (see Wax, microcrystalline).
Bayberry, bgs.....lb. No stocks
Bees, bleached, USP, white, cakes, cs..lb. .68 - .72
slabs, bgs.....lb. .67 - .70
crude, African, bgs.....lb. .49 - .50
Western hemisphere, bgs.....lb. .50 - .51
refined, yellow, bricks, cs.....lb. .54 - .56
slabs, bgs.....lb. .53 - .55
Candelilla, crude, bgs.....lb. .62 - .63
refined, bgs.....lb. .65 - .66
Powdered candelilla, 20 mesh, 5c. per lb. extra, 80 mesh, 5½c.; 100-200 mesh, 6c.
Carnauba, chalky, No. 3, bgs., ton lots..lb. .78 - .80
North country, No. 2, ton lots....lb. .88 - .90
No. 3, bgs., ton lots.....lb. .79 - .81
refined, bgs., ton lots.....lb. .84 - .86
Wax, carnauba, yellow, No. 1, bgs., ton lots..lb. 1.45 - 1.50
Powdered carnauba price differentials same as powdered candelilla.
Ceresin, dom., 132°-136° m.p., bgs. lb. .16 - .16½
138°-140° m.p., bgs.....lb. .18 - .18½
158°-162° m.p., bgs.....lb. .22 - .23
Japan, bgs.....lb. .47 - .48
Microcrystalline, 170°-175° m.p., ASTM, amber, cans, 30 tons yearly contract, group 3 works..lb. .16 - —
smaller lots, same basis....lb. .16 - .17½
170°-175° m.p., ASTM, black cans., 30 tons, same basis..lb. .14½- —
smaller lots, same basis....lb. .14½- .15½
white, cans., 30 tons, same basis. lb. .27 - —
smaller lots, same basis....lb. .27 - .29
190°-195° m.p., ASTM, amber, cans., 30 tons, same basis..lb. .21 - —
smaller lots, same basis....lb. .21 - .22
190°-195° m.p., ASTM, black, cans., 30 tons, same basis..lb. .19½- —
smaller cans., same basis....lb. .19½- .20½
white, cans., 30 tons, same basis. lb. .34 - —
smaller lots, same basis....lb. .34 - .35
Montan, crude, bgs.....lb. .45 - .47
Ouricury, crude, bgs., ton lots....lb. .61 - .63
refined, bgs., ton lots.....lb. .68 - .70
Ozokerite, dom., 189-190 m.p., bgs., c.l...lb. .36 - —
182-183 m.p., bgs., c.l.....lb. .31 - —
171-172 m.p., bgs., c.l.....lb. .27 - —
Spermaceti, blocks, cs.....lb. .48 - .50
cake, cs.....lb. .49 - .51
White lead (see Lead, white).
White precipitate, powd., dms., 50 lbs. lb. 2.27 - —
White pine bark, rossed, bls.....lb. .18 - .19
Whiting, limestone, dry-grd., 325 mesh, bgs., 40 tons, St. Louis, works ton. 9.50 - —
smaller lots, St. Louis, works.ton.12.50 - —
wet-grd., air-floated, 99% 325 mesh, bgs., c.l.....ton.14.50 -27.50
99% 200 mesh, bgs., c.l....ton. No prices
96% 200 mesh, bgs., c.l.....ton. No prices
water-floated, extra gilders, bgs., c.l...ton.14.50 -28.00
gilders, bgs., c.l.....ton. No prices
putty grade, bgs., c.l.....ton.13.00 - —
surface treated, bgs., c.l., Ohio works..ton.30.00 - —
Paris white, bgs., c.l.....ton.25.00 -31.00
c.l.c.l.....ton.25.00 -29.00
Precipitated, bgs., c.l.....ton.18.00 -20.00
l.c.l.....ton.22.00 -25.00
Wild cherry bark, thick, bls.....lb. .06 - .07
thin, natural, bgs.....lb. .17 - .18
rossed, green, bls.....lb. .24 - .26
Wild indigo root, bls.....lb. .30 - .31
Witch hazel leaves, bls.....lb. .25 - .26
Witherite (see Barium carbonate, natural).
Woodflour, 40 mesh, bulk, c.l., works, East..ton.32.00 - —
l.c.l., same basis.....ton.40.00 - —
60 mesh, bulk, c.l., same basis..ton.37.00 - —
l.c.l., same basis.....ton.45.00 - —
80-100 mesh, bulk, c.l., same basis.. ton.40.00 -45.00
l.c.l., same basis.....ton.50.00 -55.00
Woodflour in bgs. extra, returnable.
Woolfat (see Lanoline).
Wormseed, American, bgs.....lb. .17 - .18
Levant, bgs.....lb. 4.25 - 4.30
Wormwood, bls.....lb. .50 - .60

## X

Xanthorrhiza root, bls.....lb. .26 - .30
Xylene (see Xylol).
Xylenol, 5°-7°, ret. dms., c.l., works, frt. equald. ..lb. .19¼- —
l.c.l., same basis.....lb. .19¾- —
tanks, same basis.....lb. .18½- —
Xylenol fractions, ret. dms., c.l., same basis..gal. 1.26 - 1.31
l.c.l., same basis.....gal. 1.29 - 1.34
tanks, same basis.....gal. 1.20 - 1.25
Xylidins, mixed, dms.....lb. .38 - .38½
Xylol (xylene), indust., ret. dms., works..gal. .30 - —
tanks, E. of Omaha, frt. alld...gal. .25 - —
W. of Minnequa, Colo., works. gal. .25 - —
10°, ret. dms., works.....gal. .32 - —
tanks, E. of Omaha, frt. alld..gal. .27 - .28
Prices on 10° xylol from petroleum, tanks, delivered (maximum freight allowances in parentheses), are:—Ark., 25c.; Del.-Md.-D. C., 25c. (2¾c.); Detroit, 25c. (1 8/10c.); La., 25c.; N. E., 25c. (2½c.); N. J., 25c.; N. Y., 25c.; E. Tenn. & N. C., 27c. (5c.); Pa., 25c. (2¾c.); S. C., 27c.; W. Tenn., 27c. (3½c.); Va., 26c. (3½c.); W. Va., 25c. (2¾c.); the Chicago prices is 22c., f.o.b. terminal.
5°, ret. dms., works.....gal. .40 - —
tanks, E. of Omaha, frt. alld...gal. .35 - —
8°, ret. dms., works.....gal. .45 - —
tanks, E. of Omaha, frt. alld...gal. .40 - —

## Y

Yara yara, cryst., bots., cns. ....lb. 1.62 - 1.75
Yeast, brewer's dry, 50 B units, dms..lb. .35 - —
50 B units, dms.....lb. .45 - —
200 B units, dms.....lb. .50 - —
300 B units, dms.....lb. .60 - —
Yellow, barium chromate, CP, bgs., l.c.l., dlvd. N. of Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul..lb. .32 - —
Barium chromate yellow price diffenentials in other States and city zones are those for chrome yellow below.
Benzidin, bbls., dlvd.....lb. 1.60 - —
Cadmium, CP, all shades, bbls., frt. alld. E. of Rockies..lb. 2.40 - —
Lithopone, all shades, bbls., frt. alld. E. of Rockies..lb. .85 - —
Cadmium yellows, Los Angeles and San Francisco, ex whse. 1c. per lb. higher.
Chrome, CP, bbls., dlvd. N. Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts..lb. .26 - —
Dlvd. Ala., Fla., Ga., La., (Shreveport), 1½c. higher; Miss., N. C., S. C., Tenn., Dallas, Tex., 1½c. higher; Ft. Worth, Tex., 1½c. higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.
Hansa, bbls., same basis as chrome. lb. 1.60 - —
Primrose, bbls., same basis.....lb. 1.90 - —

# SALMON...the second Alaskan gold rush!

OUR artist has interpreted the second Alaskan gold rush by picturing a miner washing a salmon from his gold pan.

But actually salmon has paid more dollars to Alaska than gold ever did.

Even before the turn of the century, enterprising men were processing and marketing Alaskan salmon in hand-made, hand-filled cans.

But between 1910 and 1941 the dollar volume of the Alaskan salmon pack increased more than 500 per cent—because of improvements in cans and canning machinery.

Today salmon is more profitable to Alaska than all of her other industries put together. The principal factors in this second Alaskan gold rush were American Can Company's contributions to the industry.

The perfection of the collapsible can reduced the cost of shipping cans to Alaska by nearly twenty to one.

Constant improvement in can-filling and can-closing machinery has meant faster packing of a superior product.

Today, salmon packers are getting more than 12 times as much cash every year *from* Alaska than Alaska cost the U. S. in 1867. Here is another dramatic demonstration that *those who do business with Canco profit.*

Canco customers have at their disposal not only creative research but also mechanical know-how in every phase of the container business.

We have been inventing new containers and improving old ones for our customers for the past 46 years.

Your container problems are our business. We can help solve them to increase your business and your profits.

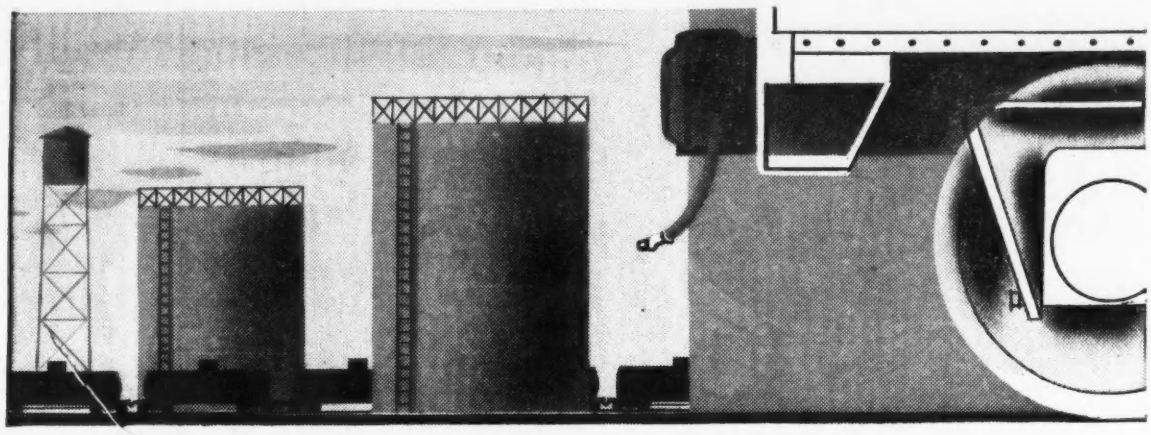
**AMERICAN CAN COMPANY** (CANCO) New York • Chicago • San Francisco

## Yellow, Iron Oxide—Zirconium Sulphate

| | | | |
|---|---|---|---|
| Yellow, iron oxide, natural, bgs., c.l., works | lb. | .01½- | .02¾ |
| l.c.l., works | lb. | .02¾- | .03¾ |
| French type, bgs., c.l. | lb. | .04 - | — |
| l.c.l. | lb. | .04½- | — |
| Peruvian type, bgs., c.l. | ton. | 27.00 - | 32.00 |
| synth., bgs., c.l., works | lb. | .08¼- | — |
| l.c.l., works | lb. | .08½- | — |
| Mercury oxide, bbls., 1,000 lbs. | lb | 2.23 - | — |
| smaller lots | lb. | 2.25 - | — |
| Ocher, American, golden, bgs., works | lb. | .01¼- | .02¾ |
| Zinc, bbls., same basis as chrome | lb. | .20 - | — |
| Yellow dock root, bls. | lb. | .23 - | .25 |
| Yellow xanthorrhiza (see Xanthorrhiza). | | | |
| Yerba santa leaves, bls. | lb. | .45 - | .50 |
| Yohimbine hydrochloride, vls. | oz. | 3.25 - | 4.00 |

## Z

| | | | |
|---|---|---|---|
| Zein, bgs., 1,000 lbs., works | lb. | .25 - | — |
| smaller lots works | lb. | .30 - | — |
| Zinc acetate, tech., bbls., dms. | lb. | .20 - | — |
| USP, bbls. | lb. | .26 - | .27 |
| kgs. | lb. | 27 - | .29 |
| Arsenite, bgs., c.l., frt. alld. E. of Rockies | lb. | No stocks | |
| l.c.l., same basis | lb. | No stocks | |
| Carbonate, tech., rubber-makers' bbls., works | lb. | .10¾- | .11¾ |
| USP, precip., powd., bbls. | lb. | .35 - | — |
| dms. | lb. | .40 - | — |
| kgs. | lb. | .37 - | — |
| Chloride, tech., fused, dms., c.l., works..100 lbs. | | 6.25 - | — |
| Zinc chloride, tech., fused, dms., l.c.l., works..100 lbs. | | 6.55 - | — |
| gran., bbls., c.l., works..100 lbs. | | 7.00 - | — |
| l.c.l., works ..100 lbs. | | 7.40 - | — |
| solution, 50%, dms., c.l., works | lb. | .0365- | — |
| l.c.l., works | lb. | .0425- | — |
| tanks, works | lb. | .0300- | — |
| USP, gran., dms. | lb. | .30 - | .31 |
| jars | lb | .35 - | .36 |
| Chromate (see Yellow, zinc). | | | |
| Cyanide, kgs., works | lb. | .34 - | .35 |
| Diethyldithiocarbamate, dms., works | lb. | 1.15 - | — |
| Dust, bbls., c.l., dlvd. | lb. | .1250- | .1200 |
| l.c.l., dlvd. | lb. | .1275- | .1300 |
| Fluoride, bbls., works | lb. | .18 - | .19 |
| Hydrosulphite, dms., works | lb. | .16 - | — |
| Iodide, NF, jars | lb. | 4.65 - | — |
| Laurate, bbls. | lb. | .45 - | .46 |
| Linoleate, solid, 9½%, bbls. | lb. | 53¼- | — |
| Metal slabs | lb. | .11 - | — |
| E. St. Louis | lb. | 10½- | — |
| Naphthenate, liquid, 8% Zn, dms. | lb. | 19¾- | — |
| 10% Zn, dms. | lb. | 24 - | — |
| solid, 14% Zn, dms. | lb. | 31¾- | — |
| Oxide, pigment, dom., acicular, bgs., c.l., ship't point, frt. alld. | lb. | .10 - | — |
| l.c.l., works | lb. | .10¼- | — |
| American process, com'l lead-free, bgs., c.l., ship't point, frt. alld. | lb. | .16 - | — |
| l.c.l., works | lb. | .10¼- | — |
| leaded, 5%, bgs., c.l., ship't point, frt. alld. | lb. | .11¾- | — |
| l.c.l., works | lb. | .10¼- | — |
| 35% or more, bgs., c.l., ship't ship't point, frt. alld. | lb | .11¾- | — |
| Zinc oxide, pigment, dom., leaded, 35%, bgs., l.c.l., works | lb. | .12 - | — |
| 50%, bgs., c.l., ship't point, frt. alld. | lb. | .12¾- | — |
| l.c.l., works | lb. | .12⅞- | — |
| French process, com'l, lead-free, bgs., c.l., ship't point, frt. alld. | lb. | .12¼- | — |
| l.c.l., works | lb. | .12½- | — |
| green, seal, bgs., c.l., ship't point, frt. alld. | lb. | .11¾- | — |
| l.c.l., works | lb. | .12 - | — |
| red seal, bgs., c.l., ship't point, frt. alld. | lb. | .11¼- | — |
| l.c.l., works | lb. | .11½- | — |
| white seal, bgs., c.l., ship't point, frt. alld. | lb. | .12¼- | — |
| l.c.l., works | lb. | .12½- | — |
| USP, ctns., c.l., ship't point, frt. alld. | lb. | .13½- | — |
| l.c.l. same basis | lb. | .13½- | — |
| Zinc oxide Pac. coast prices ¾c. higher; bbls., prices ¼c. higher than bgs. | | | |
| Resinate, fused, 9% Zn, powd., dms. | lb. | .19½- | — |
| Silicofluoride, bbls | lb. | .15 - | .16 |
| Stearate, ctns., 2,000 lbs. | lb. | .47 - | — |
| smaller lots | lb. | .48 - | — |
| Sulphate, cryst., 22% Zn, bgs., c.l., works, frt. alld. | 100 lbs. | 4.15 - | — |
| l.c.l., same basis | 100 lbs. | 4.90 - | — |
| flake, 25½% Zn, bgs., c.l., same | | | |
| l.c.l., same basis | 100 lbs. | 5.55 - | — |
| powd., 36% Zn, bgs., c.l., same basis | 100 lbs. | 6.75 - | — |
| l.c.l., same basis | 100 lbs. | 7.50 - | — |
| Zinc sulphate in bbls., 40c higher | | | |
| Sulphide, pure, bgs., c.l., dlvd. | lb. | .10½- | — |
| l.c.l., works | lb. | .10¾- | — |
| Barium pigment, bgs., c.l., dlvd. | lb. | .07½- | — |
| l.c.l., works | lb. | .07¾- | — |
| Zinc sulphide, calcium pigment, bgs., c.l., dlvd | lb. | .07½- | — |
| l.c.l., works | lb. | .07¾- | — |
| Luminescent pigment, frt. alld. | lb. | 1.00 - | 3.00 |
| Magnesium pigment, bgs., c.l., dlvd. | lb. | .07½- | — |
| l.c.l., dlvd. | lb. | .07¾- | — |
| Zinc sulphide and pigment, Pac. coast prices ¾c. higher; bbl. prices ¼c. higher than bgs. | | | |
| Sulphocarbolate, NF, gran., bbls., dms. | lb. | 26 - | 30 |
| Yellow (see Yellow, zinc) | | | |
| Zinc-ammonium chloride, bbls., c.l., works..100 lbs. | | 7.15 - | — |
| l.c.l., works..100 lbs. | | 7.55 - | — |
| Zinc-cadmium sulphide, fluorescent, cns., frt. alld. | lb. | 2.00 - | 2.80 |
| Zinc-formaldehyde sulphoxalate, basic, dms., works, frt. alld. | lb. | .17 - | — |
| normal, dms., works, frt. alld. | lb. | .35 - | — |
| Zinc-iron oxide pigment, ngs., c.l. dlvd. | lb. | .08½- | — |
| Pac. coast | lb. | .09¼- | — |
| l.c.l., dlvd. E. of Rockies | lb. | .09 - | — |
| Pac. coast | lb. | .09¾- | — |
| Zircon (see Zirconium silicate). | | | |
| Zirconium acetate, solution, bbls., works | lb. | .25½- | — |
| Hydride, cns., works | lb. | 7.00 - | — |
| Oxide, 88%, 92%, grd., bbls. or bgs., any quantity, works | lb. | .25 - | — |
| 98½-99%, white, grd., bbls. or bgs., works | lb. | 1.50 - | — |
| lump, electric-fused, bgs., c.l., works | lb. | .44 - | — |
| 5 tons, works | lb. | .44½- | — |
| 2,000 lbs. and less, works | lb. | .45 - | .48 |
| milled, electric-fused, bgs., c.l., works | lb. | .59 - | — |
| 5 tons, works | lb. | .59½- | — |
| 2,000 lbs. and less, works | lb. | .60 - | .63 |
| Oxychloride, cryst., ctns., 5 tons, works | lb. | .29½- | — |
| Silicate, granular, bgs., c.l., works, | lb. | .03¾- | — |
| 5 tons, works | lb. | .04 - | — |
| 2,000 lbs. and less, works | lb. | .04½- | .04¾ |
| milled, bgs., c.l., works | lb. | .04¾- | — |
| 5 tons, works | lb. | .05¼- | — |
| 2,000 lbs., works | lb. | .05¾- | .06¾ |
| refined, bgs., c.l., works | lb. | .11 - | — |
| 5 tons, works | lb. | .11½- | — |
| 2,000 lbs. and less, works | lb. | .12 - | .16 |
| Sulphate, basic, cake, ctns., c.l., works | lb. | .37½- | — |
| 5 tons, works | lb. | .38 - | — |
| 2,000 lbs and less, works | lb. | .38½- | .39 |



# For faster dry, extra durability and economy, use

# P-443 BECKOSOL SOLUTION

## in structural steel paints and machinery enamels

Air-dried or baked finishes for metal are better in every way when this fine alkyd resin is present. Pigment compatibility is outstanding, and drying to a high, excellently retained gloss is rapid. Resistance to abrasion, alkalis, grease, water and weather is uniformly excellent after baking, and ranges from fair to excellent when air-dried. Details and a sample are available from the Sales Department at Detroit.

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SYNTHETIC RESINS • CHEMICAL COLORS • PHENOLIC PLASTICS • INDUSTRIAL CHEMICALS

# Synthetic Resins and Branded Paint Materials

## (Manufacturers' List Prices)

### A

| | | | |
|---|---|---|---|
| Abalyn (see methyl abietate in Current Market Quotations). | | | |
| Aroclors, distilled, dms., c.l., works | lb. | .18 - | — |
| ton lots, works | lb. | .18½- | — |
| single dms., works | lb. | .19 - | — |
| undistilled, dms., c.l., works | lb. | .15½- | — |
| ton lots, works | lb. | .16 - | — |
| single dms., works | lb. | .16½- | — |

### B

| | | | |
|---|---|---|---|
| Bakelite, B.R. 254, dms., c.l., frt. alld. | lb. | .38 - | — |
| l.c.l., frt. alld. | lb. | .38½- | — |
| 4036, c.l., frt. alld. | lb. | 39 - | — |
| l.c.l., frt. alld. | lb. | .39½- | — |
| 8900, c.l., frt. alld. | lb. | .41 - | — |
| l.c.l., frt .alld. | lb. | .41½- | — |
| 9432, c.l., frt. alld. | lb | 32 - | — |
| l.c.l., frt. alld. | lb | .32½- | — |
| 17700, c.l., frt. alld. | lb. | .34 - | — |
| l.c.l., frt. alld. | lb. | .34½- | — |
| 17620, c.l., frt. alld. | lb. | .28 - | — |
| l.c.l., frt. alld. | lb | .28½- | — |
| 9367, c.l., frt. alld. | lb. | .25 - | — |
| l.c.l., frt. alld. | lb. | .25½- | — |
| 9476, c.l., frt. alld. | lb. | .34 - | — |
| l.c.l., frt. alld. | lb. | .34½- | — |
| 8360, c.l., frt. alld. | lb. | .37 - | — |
| l.c.l., frt. alld. | lb. | .37½- | — |
| 16282, c.l., frt. alld. | lb. | .34 - | — |
| l.c.l., frt. alld. | lb. | .34½- | — |
| 14634, c.l., frt. alld. | lb. | .34 - | — |
| l.c.l., frt. alld. | lb. | .34½- | — |
| 15775, c.l., frt. alld. | lb. | .26 - | — |
| l.c.l., frt. alld. | lb. | .26½- | — |
| 2072, c.l., frt. alld. | lb. | .25½- | — |
| l.c.l., frt. alld. | lb. | .26 - | — |
| 11544, c.l., frt. alld. | lb. | .24½- | — |
| l.c.l., frt. alld. | lb. | .25 - | — |
| 802, c.l., frt. alld. | lb. | .37 - | — |
| l.c.l., frt. alld. | lb. | .37½- | — |
| 2175, c.l., frt. alld. | lb. | .38½- | — |
| l.c.l., frt. alld. | lb. | .39 - | — |
| BV-1600, c.l., frt. alld. | lb. | .30 - | — |
| l.c.l., frt. alld. | lb. | .30½- | — |
| 10673, c.l., frt. alld. | lb. | .35 - | — |
| l.c.l., frt. alld. | lb. | .35½- | — |
| XV-17656, c.l., frt. alld. | lb. | .55 - | — |
| l.c.l., frt. alld. | lb. | .55½- | — |
| BK-3962, c.l., frt alld. | lb. | .29 - | — |
| l.c.l., frt. alld. | lb. | .29½- | — |
| 16624, c.l., frt. alld. | lb. | .29½- | — |
| l.c.l., frt. alld. | lb. | .30 - | — |
| 16362, c.l., frt. alld. | lb. | .33 - | — |
| l.c.l., frt. alld. | lb. | .33½- | — |
| XR-3180, c.l., frt. alld. | lb. | .70 - | — |
| l.c.l., frt. alld. | lb. | .70½- | — |
| 4857, c.l., frt. alld. | lb. | .72 - | — |
| l.c.l., frt. alld. | lb. | .72½- | — |
| BJ-15408, c.l., frt. alld. | lb. | .36½- | — |
| l.c.l., frt. alld. | lb. | .37 - | — |
| 16580, c.l., frt. alld. | lb. | .39 - | — |
| l.c.l., frt. alld. | lb. | .39½- | — |
| BR-17920, c.l., frt. alld. | lb. | .49 - | — |
| l.c.l., frt. alld. | lb. | .49½- | — |
| XRS-2, c.l., frt. alld. | lb. | .50 - | — |
| l.c.l., frt. alld. | lb. | .50½- | — |

Prices are f.o.b. Bakelite corporation's plants or warehouses, minimum transportation charges prepaid on units of standard drums or over to destination in United States except as follows:—Add 1c. per pound to list prices for prepaid delivery to Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Texas, Utah, Washington and Wyoming. Shipments made via customer's routing will be shipped transportation charges collect and allowance for minimum transportation charges will be credited on invoice covering materials shipped. No transportation charges allowed on shipments of any materials in less than standard drum quantities.

| | | | |
|---|---|---|---|
| Beetle, 212-9, dms., c. l., frt. alld. | lb. | .40½- | — |
| l.c.l., same basis | lb. | .41 - | — |
| 219-8, c.l., frt. alld. | lb. | .29 - | — |
| l.c.l., same basis | lb. | .29½- | — |
| 227-8, c.l., frt. alld. | lb. | .29 - | — |
| l.c.l., same basis | lb. | .29½- | — |
| 230-8, c.l., frt. alld. | lb. | .34¾- | — |
| l.c.l., same basis | lb. | .35¼- | — |
| 251-8, c.l., frt. alld. | lb. | .31½- | — |
| l.c.l., same basis | lb. | .32 - | — |
| 592-8, c.l., frt. alld. | lb. | .30¾- | — |
| l.c.l., same basis | lb. | .31¼- | — |

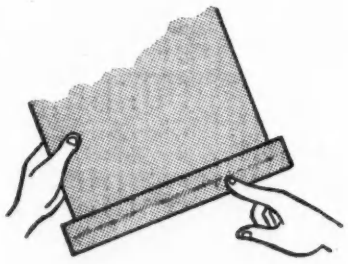
### C

| | | | |
|---|---|---|---|
| Cellolyn 102, non-ret. dms., dlvd., c.l., zone 1. | lb. | .20 - | — |
| l.c.l., same basis | lb. | .20½- | — |
| 103, c.l., same basis | lb. | .21 - | — |

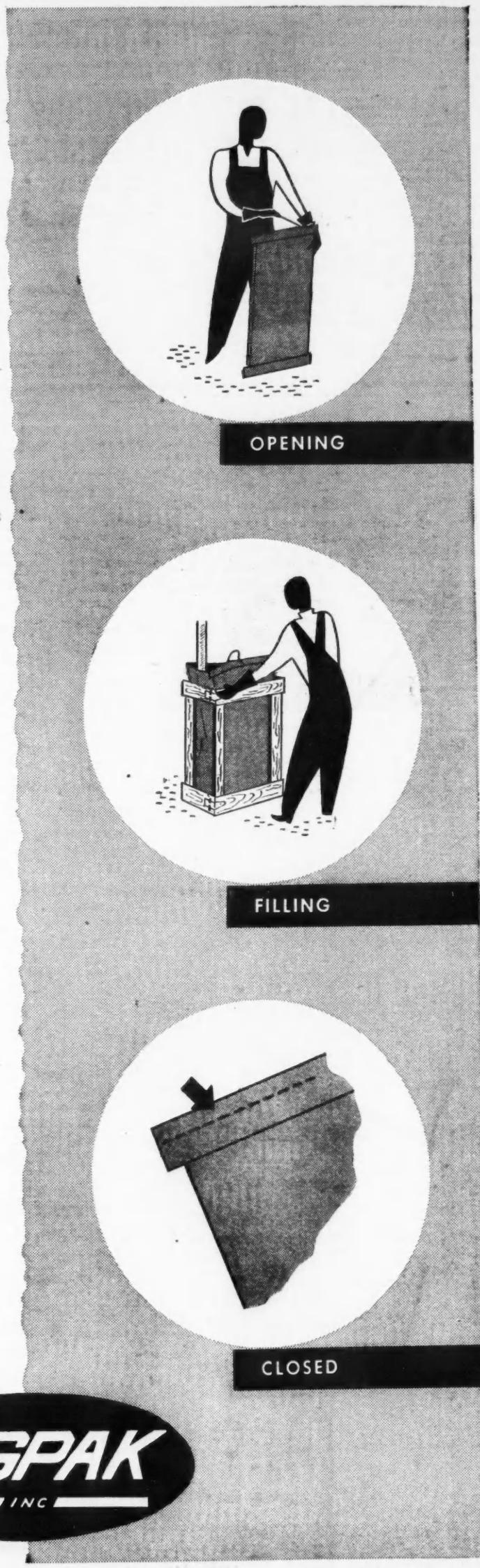
**BAGPAK presents**

# the SAFE BAG FOR molten MATERIAL!

BAGPAK is proud to advertise its new multiwall paper bag for liquid materials such as rosin and asphalt—materials which have post-hardening qualities. This bag is leak-proof.* One corner rips open quickly to admit filling pipe; after filling, the opening is quickly and easily stapled shut. You or your supplier can get the details of this economical, leak-proof way to package rosin-type products by writing today.



*THIS NEW multiwall bag comes to your supplier with tape applied over the stitching—there's no danger of material leaking through the needle holes.




**INTERNATIONAL PAPER PRODUCTS DIVISION**

**INTERNATIONAL PAPER COMPANY**

220 East 42nd Street, New York 17, N. Y.

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BAGPAK INC

## Cellolyn—Lewisol Resin

Cellolyn, 103, dms., dlvd., l.c.l., same basis..lb. .21½- —
98, c.l., same basis.....lb. .28 - —
l.c.l., same basis.....lb. .28½- —
501, c.l., same basis.....lb. .306 - —
l.c.l., same basis.....lb. .311 - —
Cumar resin, DX, gross weight...lb. .05½- —
EX, gross weight.....lb. .05½- —
FX, gross weight.....lb. .06 - —
MH, Col. 1.....lb. .13 - —
1½-2 .....lb. .12 - —
2½-3½ .....lb. .11 - —
9 .....lb. .09 - —
MS .....lb. .11 - —
P, 10°-90°, C., col. 2½ and darker.lb. .11 - —
RH .....lb. .11 - —
RS .....lb. .11 - —
V col. ½.....lb. .14 - —
1 .....lb. .13 - —
1½-2 .....lb. .12 - —
2½ and darker.....lb. .11 - —
W col. ½.....lb. .14½- —
1 .....lb. .13½- —
1½-2 .....lb. .12½- —
2½ and darker.....lb. .11½- —

All "P" grades with melting point below 50 degrees C., and grades AX and BX are shipped in steel drums. Grades CX, DX, EX and FX are sold on a gross weight basis. All other grades are sold on a net weight basis and are shipped in destructible metal drums, but their packaging is subject to change without notice. Prices are based on f.o.b. plant at Frankfort, Pa., freight equalized with Pittsburgh.

### D

Dow resin 276 V-2 and V-9, 55-gal drums, c.l., works..lb. .24 - —

Dow resin, 276 V-2, V-9, dms., l.c.l., same basis..lb. .24½- —
5 and 10-gal drums, same basis lb. .30 - —

Dow Corning silicone resins DC-801, f.o.b. Midland, Mich., 5-10 gal. cans..gal.19.40 - —
50-50 gals., dms.....gal.18.65 - —
DC-802, 5-10 gals., same basis.gal.19.40 - —
50-50-gal. dms., same basis..gal.18.65 - —
DC-803, 5-10 gals., same basis.gal.15.70 - —
50-50-gal. dms., same basis..gal.15.10 - —
DC-804, 5-10 gals., same basis.gal.19.40 - —
50-50-gal. dms., same basis..gal.18.65 - —
DC-993, 50% solids, 5-10 gals., same basis..gal.15.50 - —
50-50-gal., dms., same basis.gal.14.90 - —
DC-996, 70% solids, 5-10 gals., same basis..gal.23.25 - —
50-50-gal., dms., same basis.gal.22.40 - —
DC-996, 5-10 gals., same basis.gal.15.50 - —
50-50-gal, dms., same basis..gal.14.90 - —
DC-2103, 5-10 gals., same basis.gal.18.80 - —
50-50-gal. dms., same basis, gal.18.10 - —

### E

Ethocel (see Ethylcellulose in Current Market Quotations).

### F

Falkyd A-2, 60% solids, dms. incl., c.l. lb. .27½- —
l.c.l., same basis.....lb. .28 - —
A-3, 50% solids, dms. incl., c.l....lb. .22½- —
l.c.l., same basis.....lb. .23 - —
Falkyd, A-3-LV, 50% solids, dms. incl., c.l..lb. .22½- —
l.c.l., same basis.....lb. .23 - —
A-4-D, 40% solids, dms. incl., c.l..lb. .19 - —
l.c.l., same basis.....lb. .19½- —
A-4-D, 50% solids, dms. incl., c. l..lb. .23 - —
l.c.l., same basis.....lb. .23½- —
A-5-D, 70% solids, dms. incl., l.c..lb. .31½- —
l.c.l., sams basis.....lb. .32 - —
*A-5-D, 100% solids, dms. incl., c.l.lb. .43½- —
l.c.l., same basis.....lb. .44 - —
A-6, 70% solids, dms. incl., c.l....lb. .32 - —
l.c.l., same basis.....lb. .32½- —
AA-6, 70% solids, dms. incl., c.l..lb. .32½- —
l.c.l., same basis.....lb. .33 - —
B-2, 60% solids, dms. incl., c.l....lb. .24½- —
l.c.l., same basis.....lb. .25 - —
B-2-S, 50% solids, dms. incl., c.l..lb. .21½- —
l.c.l., same basis.....lb. .22 - —
B-3, 50% solids, dms. incl., c.l....lb. .20 - —
l.c.l., same basis.....lb. .20½- —
B-34, 50% solids, dms. incl., c.l...lb. .20 - —
l.c.l., same basis.....lb. .20½- —
B-38, 50% solids, dms. incl., c.l....lb. .22½- —
l.c.l., same basis.....lb. .22¾- —
B-41, 65% solids, dms. incl., c.l....lb. .24¼- —
l.c.l., same basis.....lb. .24¾- —
*B-43-D, 100% solids, dms. incl., c.l.. lb. .35½- —
l.c.l., same basis.....lb. .36 - —
B-5, 85% solids, dms. incl., c.l....lb. .30 - —
l.c.l., same basis.....lb. .30½- —
B-606, 60% solids, dms. incl., c.l..lb. .23½- —
l.c.l., same basis.....lb. .24 - —
B-666, 70% solids, dms. incl., c.l..lb. .26½- —
l.c.l., same basis.....lb. .27 - —
BB-6, 70% solids, dms. incl., c.l...lb. .26½- —
l.c.l., same basis.....lb. .27 - —
Falkyd, C-3, 50% solids, dms. incl., c.l. lb. .20½- —
l.c.l., same basis.....lb. .21 - —
C-5, 70% solids, dms. incl., c.l....lb. .24½- —
l.c.l., same basis.....lb. .25 - —
C-5-D, 70% solids, dms. incl., c.l..lb. .25½- —
l.c.l., same basis.....lb. .26 - —
G-25, 50% solids, dms. incl., c.l..lb. .24 - —
l.c.l., same basis.....lb. .24½- —
G-2500, 50% solids, same basis, c.l.lb. .23 - —
l.c.l., same basis.....lb. .23½- —
I-72-D HV, 50% solids, dms. incl., c.l. lb. .19 - —
l.c.l., same basis.....lb. .19½- —
I-7, 60% solids, dms. incl., c.l....lb. .16¾- —
l.c.l., same basis.....lb. .17¼- —
I-8, 75% solids, dms. incl., c.l.....lb. .18½- —
l.c.l., same basis.....lb. .19 - —
J-263, 50% solids, dms. incl., c.l..lb. .23¼- —
l.c.l., same basis.....lb. .23¾- —
J-525, 55% solids, dms. incl., c.l..lb. .20½- —
l.c.l., same basis.....lb. .21 - —
L-4-X, 50% solids, dms. incl., c.l..lb. .23 - —
l.c.l., same basis.....lb. .23½- —
L-4-X, 50% solids, dms. incl., c.l..lb. .24½- —
l.c.l., same basis.....lb. .25 - —
L-5, 60% solids, dms. incl., c.l....lb. .27½- —
l.c.l., same basis.....lb. .28 - —

Tankcar prices ½c, per lb, below c.l. quotation.
* Tankcar quotation not available.

Fallote 285, 100% solids, dms. incl., c.l. lb. .22½- —
l.c.l., same basis.....lb. .23 - —
315, 100% solids, dms. incl., c.l....lb. .23 - —
l.c.l., same basis.....lb. .23½- —
Flexalyn solution non-ret, dms., dlvd., c.l., zone 1...lb. .16¼- —
l.c.l., same basis.....lb. .16¾- —

### G

Gelva resin, gran., 1½, 2½, 7, 15, 25, 45, 60, 100 and 500 cps., fib. ctns., c.l., dlvd. E. of Miss. R., works..lb. .40 - —
ton lots only, fib, ctns., same basis. lb. .43 - —
over 200 lbs., fib, ctns., same basis. lb. .45 - —
under 200 lbs., fib, ctns., same basis..lb. .60 - —

Special grades of 1½ and 2½ cps. viscosity, low acidity, available at somewhat higher prices. Ctns., included in prices, non-returnable. Prices W. of Miss. R. 5c. per lb higher.

Solution, 55 cps., 28% solids content in ethanol, non-ret. bbls., f.o.b. Indian Orchard, Mass. gal. 1.75 - —

Water emulsion, approx. 55% solids, grades TS-10, TS-21, TS-30, TS-35, TS-41 (35% solids) and S-50, non-ret. bbls., c.l., dlvd. E. of Rocky Mts., works..lb. .20½- —
ton lots and over, non-ret. bbls., same basis..lb. .22 - —
less than ton lots, non-ret. bbls., same basis..lb. .22½- —
Prices W. of Rocky Mts. 2c. per lb. higher.

Geon polyvinyl resins, Nos. 101 and 102, 30,000 lbs., works—lb. .33 - —
5,000 to 29,999 lbs., works....lb. .34 - —
200 to 4,999 lbs., works.....lb. .36 - —
up to 199 lbs., works.....lb. .50 - —
101, 30,000 lbs., works.....lb. .33 - —
5,000 to 29,999 lbs., works.....lb. .37 - —
200 to 4,999 lbs., works.....lb. .39 - —
up to 199 lbs., works.....lb. .56 - —
203, 30,000 lbs., works.....lb. .36 - —
5,000 to 29,999 lbs., works.....lb. .37 - —
200 to 4,999 lbs., works.....lb. .39 - —
up to 199 lbs., works.....lb. .56 - —
204, 30,000 lbs., works.....lb. .36 - —
5,000 to 29,999 lbs.....lb. .37 - —
200 to 4,999 lbs.....lb. .39 - —
up to 199 lbs.....lb. .56 - —
205, 30,000 lbs., works.....lb. .33 - —
5,000 to 29,999 lbs., works.....lb. .34 - —
200 to 4,999 lbs., works.....lb. .36 - —
up to 199 lbs., works.....lb. .50 - —
Glyptal 2458, dms., c.l., frt. alld....lb. .24¾- —
l.c.l. .....lb. .25¼- —
2462, c.l., same basis.....lb. .21½- —
l.c.l. .....lb. .22 - —
2464, c.l., same basis.....lb. .20 - —
l.c.l. .....lb. .20½- —
2466, c. l., same basis.....lb. .26½- —
l.c.l. .....lb. .27 - —
2475, c.l., same basis.....lb. .24 - —
l.c.l. .....lb. .24½- —
2477, c.l. same basis.....lb. .26½- —
l.c.l. .....lb. .27 - —
2480, c.l., same basis.....lb. .23¼- —
l.c.l. .....lb. .23¾- —
2503, c.l., same basis.....lb. .38¼- —
l.c.l. .....lb. .38¾- —
2504, c.l., same basis.....lb. .23½- —
l.c.l. .....lb. .24 - —
2505, c.l., same basis.....lb. .27 - —
l.c.l. .....lb. .27½- —
2508, c.l., same basis.....lb. .42 - —
l.c.l. .....lb. .42½- —
2509, c.l., same basis.....lb. .20 - —
l.c.l. .....lb. .20½- —
2527, c.l., same basis.....lb. .23 - —
l.c.l. .....lb. .23½- —
2529, c.l., same basis.....lb. .34½- —
l.c.l. .....lb. .35 - —
2532, c.l., same basis.....lb. .21½- —
l.c.l., .....lb. .22 - —
2555, c.l., same basis.....lb. .28 - —
l.c.l. .....lb. .28½- —
2556, c.l., same basis.....lb. .36¾- —
l.c.l. .....lb. .37¼- —
2570, c.l., same basis.....lb. .24¾- —
l.c.l. .....lb. .25¼- —
2583, c.l., same basis.....lb. .22¼- —
l.c.l. .....lb. .22¾- —
2585, c.l., same basis.....lb. .21 - —
l.c.l., .....lb. .21½- —
2590, c.l., same basis.....lb. .20¾- —
l.c.l. .....lb. .21¼- —
2592, c.l., same basis.....lb. .19¼- —
l.c.l. .....lb. .19¾- —
2593, c.l., same basis.....lb. .24¾- —
l.c.l. .....lb. .25¼- —
2595, c.l., same basis.....lb. .26½- —
l.c.l. .....lb. .27 - —
Guai-a-phene, ref, dms., dms, on deposit at $4.00 each, works, 50-55 gals.....gal. 2.47 - —
10 gals., two fives per case, works.....gal. 2.57 - —
5 gals., one can per case, works.....gal. 2.62 - —
6 gals., six ones in single case, works.....gal. 2.72 - —
1 gal., in single carton, works.. gal. 2.82 - —

### H

Hercolyn (see methyl abietate hydrogenated) in Current Market Quotations.

### L

Lewisol resin, No. 1, non-returnable light gauge steel dms., c.l., f.o.b. cumstomers siding, zone 1.....lb. .23 - —
l.c.l., same basis.....lb. .23½- —

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Because — prudence . . . sagacity . . . judgment . . . skill—in short, *discretion*—goes into every item of U.S.I.'s complete line of natural and synthetic resins. It helps you put out top quality coatings at prices that are right. And in today's increasingly competitive market — *that means sales for you!* So when you're ordering resins, be sure to specify U.S.I. You'll find it's the better part of value.

*Natural and Synthetic Resins*

U.S.I. INDUSTRIAL CHEMICALS, INC.
60 East 42nd Street, New York 17, N. Y.
*Branches in All Principal Cities*

Lewisol resin, 2-L, c.l., same basis, lb. .23 - —
l.c.l., same basis..lb. .23½- —
20, c.l., same basis..lb. .21½- —
l.c.l., same basis..lb. .22 - —
21, c.l., same basis..lb. .21½- —
l.c.l., same basis..lb. .22 - —
28, c.l., same basis..lb. .22 - —
l.c.l., same basis..lb. .22½- —
33, c.l., same basis..lb. .23 - —
l.c.l., same basis..lb. .23½- —

Lewisol resin prices are f.o.b. customer's siding, New Eng. and Middle Atlantic States, Va., W. Va., N. C., Ky., O., Mich., Ind., Ill., Miss., Ala., Ga., Fla., S. C., Tenn., Wis, St Paul and Minneapolis, Minn.; St. Louis, Mo. Prices are dms. included, not returnable; net 30 days.

**M**

Marvinol resin, 30,000 lbs., f.o.b. works..lb. .33 - —
5,000 to 29,999 lbs., same basis..lb. .34 - —
200 to 4,999 lbs., same basis..lb. .36 - —
up to 200 lbs., same basis..lb. .50 - —
Melmac, 245-8 dms., c.l., frt alld..lb. .37½- —
l.c.l., frt. alld..lb. .38 - —
580-8, c.l., frt. alld..lb. .37¾- —
l.c.l., frt. alld..lb. .38¼- —
586-9, c.l., frt. alld..lb. .34 - —
l.c.l., frt. alld..lb. .34½- —
599-8, c.l., frt. alld..lb. .36½- —
l.c.l., frt. alld..lb. .37 - —
Methocel (see Methylcellulose in Current Market Quotations).

**N**

Neo-fat drying oil, 170, dms., incl., c.l., divd..lb. .28¼- —
190 dms., c.l., divd..lb. .31½- —
200 dms., c.l., divd..lb. .34¼- —
fatty acid 3R, dms., incl., c.l., divd..lb. .23½- —
17, dms., c.l., divd..lb. .26¼- —
19, dms., c.l., divd..lb. .28¼- —

Neo-fat prices are 1c. per lb. higher in all States west of the Rocky Mountains and ½c. per lb. higher in Texas and Oklahoma.

Drums are included and not returnable.

Nevillac, pale, hard, color 1-2, melting point 85-95° C., drums, works..lb. .25 - —
hard, color 2½-4, melting point 85-95° C., same basis..lb. .23 - —
soft, color 2½-4, melting point 65-70° C., same basis..lb. .25 - —
10° C., color ½-4, same basis..lb. .33 - —
ZC, same basis..lb. .31 - —
OA, same basis..lb. .45 - —
RP, same basis..lb. .25 - —
TS, same basis..lb. .45 - —
RT, same basis..lb. .31 - —
RX, same basis..lb. .31 - —
PHO, same basis..lb. .33 - —
Neville resin, G, dms., net weight lb. .09½- —
R-1 nevindene, color ½, dms., works..lb. .14½- —
R-3, nevindene, color 1, dms. works..lb. .13½- —
R-5, nevindene, color 1½-2, dms., works..lb. .12½- —
R-6, nevidene, color 2½-3½, dms., works..lb. .11½- —
R-7, N.P.S., color below 3, dms., works..lb. .14 - —
R-9, hard, color ½, dms., works..lb. .14 - —
R-10, hard, color 1, dms., works..lb. .13 - —
R-11, hard, color 1½-2, dms., works..lb. .12 - —
R-12, hard, color, 2½-3½, dms., works..lb. .11 - —
R-13, medium color ½, dms., works..lb. .14 - —
R-14, medium, color 1, dms., works..lb. .13 - —
R-15, medium, color 1½-2, dms., works..lb. .12 - —
R-16, medium, color 2½-4, dms., works..lb. .11 - —
R-16-A, color 4-8, dms., works..lb. .09 - —
R-17, medium, soft, color 3½-8, dms., works..lb. .11 - —
R-19, medium, soft, color 3½-8, dms., works..lb. .11 - —
R-21, soft, color 3½-8, dms., works..lb. .11 - —
R-22, special, soft, color 3½-8, dms., works..lb. .11 - —
R-29, medium, soft, color 2½-8, dms., works..lb. .11 - —
465, 110-125° C., dms., gross weight, Pittsburgh..lb. .04½- —
Resinous oil, No. XI, ret. drums..lb. .02 - —

Neville resin prices, except "G" resin, R-16-A and 465 resin, are freight equalized with Phila. Less than full drum shipments are 5c. per lb. additional, f.o.b. Neville Island, Pa.

Nevinol, dms., works..lb. .16 - —
Nevtex, 10, returnable, dms., works..lb. .08½- —
Nuba, No. 1, 80-90° C., dms., gross weight..works..lb. .03½- —
No. 2, 100-125° C., dms., gross weight, works..lb. .03½- —
No. 3-X, 135-150° C., dms., gross weight, works..lb. .05 - —

**P**

Paradene 1, 75-99° C. color 12-16, dms., gross wt., works..lb. .05½- —
2, 100-125° C., color 12-16, dms., gross wt., works..lb. .05½- —
3, 125-140° C., dms., gross wt. works..lb. .06 - —
33, 34, color 10-15, dms., works..lb. .06½- —
35, color 10-15, dms., works, gross wt..lb. .06 - —

Paradene prices are freight equalized in Philadelphia, Pa.

Pentalyn A, non-ret. dms., f.o.b. customer's siding, zone 1, c.l..lb. .15 - —
l.c.l., same basis..lb. .15½- —
C, c.l., same basis..lb. .18 - —
l.c.l., same basis..lb. .18½- —
F, c.l., same basis..lb. .19½- —
l.c.l., same basis..lb. .20 - —
H, c.l., same basis..lb. .20 - —
l.c.l., same basis..lb. .20½- —
G, c.l., same basis..lb. .19½- —
l.c.l., same basis..lb. .20 - —
M, c.l., same basis..lb. .21½- —
l.c.l., same basis..lb. .22 - —
M-802A, c.l., same basis..lb. .21 - —
l.c.l., same basis..lb. .21½- —
X, c.l., same basis..lb. .21 - —
l.c.l., same basis..lb. .21½- —
Phenac, 604-M, dms., c.l., frt. alld..lb. .22 - —
l.c.l., frt. alld..lb. .22½- —
608, c.l., frt. alld..lb. .22 - —
l.c.l., frt. alld..lb. .22½- —
622-N, c.l., frt. alld..lb. .21½- —
l.c.l., frt. alld..lb. .22 - —
X-687, c.l., frt. alld..lb. .35 - —
l.c.l., frt. alld..lb. .35½- —
Piccolastic, A-1, A-5, A-25, A-50, B-50, C-5, C-25, C-50, E-50 types, c.l., Clairton, Pa..lb. .20 - —
A-L, etc., l.c.l., same basis..lb. .20½- —

The above types are sold in heavy gauge steel drums, weighing approximately 52 lbs. each. Drums extra at $1.25 each, and nonreturnable.

Piccolastic, A-75, B-75; B-100, C-75, C-100, C-125, D-75, D-100, D-125, D-150, E-75, E-100, E-125 types, c.l., Clairton, Pa..lb. .20 - —
l.c.l., same basis..lb. .20½- —

The above types are sold on a net weight basis, in light gauge steel drums weighing approximately 15 lbs. each, drums included.

FT, FX, FHF types, c.l., Clairton, Pa..lb. .12½- —
l.c.l., same basis..lb. .13 - —

The above types are in heavy gauge steel drums, weighing approximately 52 lbs. each. Drums extra at $1.25 each, and non-returnable.

Piccolyte resins, S-10, S-25, S-40, dms., net, wt. f.o.b. Clairton, Pa., c.l..lb. .19 - —
l.c.l., ..lb. .19½- —
S-55, S-70, same basis, c.l..lb. .20 - —
l.c.l. ..lb. .20½- —
S-85, S-100, same basis, c.l..lb. .21½- —
l.c.l. ..lb. .21½- —
S-115, same basis, c.l..lb. .20 - —
l.c.l. ..lb. .20½- —

Piccoumaron resins, 450-H, 450-L, 450-HL, dms., net, wt., solid, f.o.b. Clairton or Chester, Pa., frt. equald..lb. .10½- —
450, 450-E, 450-S, same basis..lb. .10½- —
450-ES, same basis..lb. .10½- —
450, same basis..lb. .10½- —
Other 450 series, dms., net, wt., plastic, f.o.b. works, frt. equald. lb. .11 - —
C.G. (deodorized), dms., net wt., solid, f.o.b. works, frt. equald..lb. .13½- —
440-S, same basis..lb. .08½- —
430-H, dms., gross wt., solid, f.o.b. works, frt. equald..lb. .06 - —

Piccoumaron resins, other 430 series, dms., net wt., solid, f.o.b. works, frt. equald..lb. .05½- —
420-H, same basis..lb. .09½- —
420-S, 420-E, 420-ES, same basis.. lb. .09½- —
422-R, 423-R, 425-R, 427-R, same basis..lb. .11 - —
Other 420 series, dms., net wt., plastic, f.o.b. works, frt. equald..lb. .09½- —
Picco-10, same basis.. ..lb. .11 - —
Picco-25, same basis..lb. .11 - —
Picco-75, Picco-100, dms., net wt., solid, f.o.b. works, frt. equald..lb. .10½- —
Bunarex-10, dms., net wt., plastic, f.o.b. works, frt. equald..lb. .06½- —
Bunarex-25, XX-25, same basis..lb. .06½- —
XX-40, same basis..lb. .06½- —
XX-55, dms., gross wt., solid, f.o.b. works, frt. equald..lb. .06 - —
XX-70, same basis..lb. .05½- —
Bunarex-100, XX-100, same basis.. lb. .05½- —
XX-115, same basis..lb. .06 - —
480 series, same basis..lb. .15 - —
60%, 420-ES sol., non-ret. dms., c.l. lb. .08 - —
l.c.l., same basis..lb. .08½- —

Flaked grades, when available, are ½c. per pound higher than net wt. solid, ¾c. higher than gross wt. solid. Prices for other than full-dm. shipments add 5c. per pound.

Pliolite, S-5, milled resin, dms., f.o.b. Akron, ton..lb. 50 - —
Base, 1-85, titanium dioxide, same basis..lb. .45 - —
2B-85, carbon black, same basis.ln. .50 - —
5-85, zinc oxide, same basis..lb. .34 - —
6-85, red lead, same basis..lb. .36 - —

**Lewisol Resin—Polyethylene Resin**

Pilotite, 7C-85, Indian red, same basis. lb. .49 - —
8-85, zinc chromate, same basis..lb. .51 - —
13-85, China clay, same basis..lb. .33 - —
14-85, lithopone, same basis..lb. .31 - —
17-85, Prussian blue, same basis..lb. .65 - —
38-85, yellow iron oxide, same basis. lb. .45 - —
35-85, toluidin toner, medium, same basis..lb. .95 - —
39-85, C.P., chrome green, medium, same basis..lb. .64 - —
41-85, C. P., chrome yellow, medium, same basis..lb. .46 - —
46B-85, lampblack, same basis..lb. .53 - —
47-85, high zinc lithopone, same basis..lb. .34 - —
64-85, molybdate orange, dark, same basis..lb. .64 - —
66-85, C.P., chrome yellow, extra light, same basis..lb. .51 - —
74-85 R-100, flash red, same basis. lb. .98 - —

These prices apply to all orders for resin and bases in excess of 2,000 lbs. The order may consist of several items. For quantities of 200 to 1,999 lbs. add 1c. per pound to the above prices. For quantities of less than 200 lbs. add 6c. per pound to the above prices.

Polyamide, ED, Nos. 93, 94, and 95, f.o.b. works, l.c.l. quantities..lb. .55 - —
Polyethylene resins, f.o.b. Bound Brook, N.J.
DYNH, granular, bags, f.o.b. South Charleston, W. Va..lb. .49 - —
DYNJ, granular, same basis..lb. .51½- —

*—Continued on page 41*

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BRINGS OUT THE BRIGHT SIDE OF THE RESIN PICTURE
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OXIDATION RESISTANCE
ARE INHERENT FEATURES OF VELSICOL RESIN AB 11-4

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**FLOOR AND TRIM VARNISHES**
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## *Collaboration Should Be Free*

Some light on the manner in which the Federal antitrust laws should be emended to permit potent efforts toward national economic stability may come out of a recent move by the National Petroleum Council. That organization has asked the Department of Justice to tell it what it legally may do in an endeavor to relieve the shortages of petroleum products.

The petroleum supply situation is already tight. It is becoming distressingly more so as the demand for oils as heating fuel begins to pile up on the steadily increasing consumption of gasoline in the expansion of aviation and the recovery of automobiling. The growth of dieselization in the areas of power, especially in transportation, adds more weight to the productive burden of the petroleum industry. It most obviously is not possible for the individual members of the industry, working isolatedly, to keep up with the growing demand. Just as obviously, they are legally prohibited from planning and applying the concerted action which alone offers any promise of effectiveness.

Concerted action is called for in almost every industry today by the unprecedented demands on productive capacity. The call is for interindustrial, as well as intra-industrial, collaboration in order that economic stabilization may not be further impaired. If the industry of the United States is to do its part in the restoration of economic stability throughout the world, still more will it be necessary that it plan and work as a correlated unit.

It is time that the philosophy of the regulation of business by statute be changed so that the control be directed toward what is done, rather than, or at least less than, to the manner of its doing. Much that is needed for the betterment of social, as well as commercial, economic conditions can be accomplished only through collaborative business effort. A law which blocks endeavors toward such desirable ends certainly spreads beyond any necessary usefulness. It should be trimmed.

## *Marshall Plan Demands*

What is the United States going to give to petitioning and more or less needy European peoples under the popularly styled Marshall plan? Secretary Marshall says there is as yet no plan, merely a suggestion. Congressional leaders now refer to it as an approach. Businessmen want to know what they will be called upon to do in performing the roles to which they will be called in the relief program. They cannot fit their operations to unknown demands. They must have ample information, and they must have it early.

Although the primary purpose of the specially convened session of Congress is the development of a program of aid for Europe, it would be most illogical to expect that matter to get even the greater part of the attention of the legislators. All manner of things will occupy—and largely waste—their time. Farm and labor legislation will be big items. The problem of revised, if not improved, taxation doubtless will have a lot of squabbling. But, the congressional predicters are declaring that the business of the session will be disposed of in about four weeks. The sort of job that will be done on European aid cannot even be guessed at.

As of now nobody knows even how much money is going to be appropriated for the European relief program. There are still a hundred guesses on the form in which the relief will be provided. As to the commodities which it will require, there are at least ten times that many views. That is not good for the national economy of the United States. And the detriment done by the messing up of M Day plans in the late war will be but slight in comparison with what could result from the pitching of a top-priority, "do-it-now" job of supplying an article for the relief program into already overloaded production. It is logical to expect that such "emergencies" will not be uncommon. Are they going to mean that producers' contractual commitments must be scrapped?

Production in almost every line of the chemical and related industries is now no better than even with demand. Even in the instances where mechanical, manual, and budgeting preparation for expansion could promptly be made, actual increase in production could not be effected in weeks or months. It is imperatively necessary that the producers of materials which will be required in the European relief program know well in advance what will be expected of them. How they are going to find out depends on those who are to construct the program. It is not to be expected that the latter will ever have any certainty of knowledge in that regard. But, they must contrive somehow to keep the demands within the framework of practicability. That means that adequate contacts with business must be made now and kept in close step with all developments.

## *Business and the Public*

Reports are met every now and then about how the general public persists in its habit of believing the critics of business more than it does the protagonists in the still restricted telling of the story of business. The reason is not difficult to discern. Those who devote themselves to the derogation of business know how to catch the public eye and ear. Those who would "sell" business to the public have a lot to learn in that connection.

One of the biggest reasons why the story of business does not go over as its tellers expect is that their efforts are too much of the selling type and not enough in the way of delivery. Public relations, to be successful, must inform and inspire, not merely intrigue and induce. It is in those things that it differs from publicity.

Another thing that business must recognize in its desire to promote public goodwill is that consumers know what they have to pay for what they buy. Theories do not interest them. They can read the daily newspaper reports that a hundred business concerns have made much more for their owners than they made a year ago. They also could read how much more was paid to the workers—but that is very seldom reported.

## *Washington Talks It Over*

—*Continued from page 5*

ship desires to bring up, but it is unlikely that this will include the Miller-Wolverton bills amending the food, drug, and cosmetic act so that FDA can again control retail sales of dangerous and "RX legend" drugs.

The fact that the supreme court has agreed to review the decision of the fifth circuit court in the Sullivan case that knocked the props from under FDA's forty-year-old control program is certain to delay consideration of remedial legislation. It is inconceivable that the legislators will be willing to act on a bill in advance of a final decision from the supreme court in this case.

A favorable decision from the supreme court would not answer the problem completely for FDA, because the Sullivan case involves only the construction of section 301K of the act. The agency took a licking from the courts in an earlier case involving 304 (a) when it attempted to seize a shipment of food that had become contaminated in a warehouse. The bills seek to repair the damage done to both these sections and for that reason FDA would like to see the legislation passed regardless of the final outcome of the Sullivan case.

### Grains Lost to Pests

One way to increase the supply of grains for human food is to stop feeding so much of it to rats, grain weevils and other destructive pests. The Department of Agriculture estimates that insects cause the loss of at least 5 percent of stored grain and cereal products every year. Rodents destroy another 4 percent. When translated into money this means a loss of over $550,000,000 annually from these causes.

While 100 percent control of these wasters of human food is not regarded as practicable, certain measures can be taken to decrease the losses materially. Reduction of moisture content, for instance, is one of the best ways of holding down losses from insects, as well as molds and other spoilage organisms. The use of DDT sprays and dusts, as well as such nonpoisonous dusts as magnesium oxide, is also recommended for controlling damage.

Existing methods of preventing losses of grain from insects and rodents are in use on farms to the extent of only 5 percent of the storage capacity; and yet 97 percent of the corn, 60 percent of the wheat, and 94 percent of the oats are stored on farms.

### Industry Wary of Justice Dept.

The accelerated activity of the antitrust division of the Department of Justice is serving to make industry doubly cautious in its cooperation with government agencies in meeting current problems. This was brought forcibly to the attention of Secretary of the Interior Krug last week by the agenda committee of the National Petroleum Council.

Mr. Krug last month asked the council to set up a special committee to study such measures as can be taken by the government, the industry and the public to conserve supplies of petroleum products or to increase their availability, including concerted action to relieve the situation. The committee has agreed to make the study but has turned thumbs down on any recommendations for concerted action.

It told the secretary flatly that the industry was afraid of the Justice department. Members of the industry well remember that the Department of Justice in the past has viewed any suggestion of concerted action, even without an agreement, as affording the framework for concert of action in violation of the antitrust laws, and they don't want any part in such a program again.

### Oil-Buying Secrecy

The Department of Agriculture is running into difficulties in its efforts to purchase oils for the export program. The program calls for the exporting of about 120,000,000 pounds of oils before the end of the year, but suppliers do not seem to be particularly interested in making offers.

The trouble is, according to members of the trade, the department hasn't been letting the industry know just how much of a particular kind of oil it proposes to buy. It tried to buy lard sometime back without stating at the outset the amount desired and immediately ran into difficulties. Two weeks ago it began a program of purchasing soybean oil in the same manner with the same result.

It may be that the department hesitates to set a figure because it might lead to higher prices; but, without making such an announcement it is believed that the department will continue to run into difficulties.

### Small Business and Taxes

The Treasury Department has just completed a study of "Taxation of Small Business" which it is sending to Congress for consideration in the postwar tax program. The report is one of a series being made for this purpose: it makes no policy recommendation. This the department is leaving up to congressional decision.

Widely shared conceptions of the social and economic importance of small business have stimulated a variety of ideas for special tax benefits, and the report analyzes several types of the benefit proposals, weighs their probable effectiveness in reaching declared or implied objectives, and considers whether their adoption would raise new questions or accentuate old ones of equity, economic effects, and administration.

There are varying definitions of "small business." One gives this classification to a retail store or service concern with annual net sales or receipts of less than $50,000, a wholesale business with annual net sales of less than $200,000, a manufacturing establishment with fewer than 100 employees. Under this definition more than nine-tenths of American businesses were "small" in 1939. They employed about 40 percent of all workers and active proprietors, and had about one-third of all sales.

### Fertilizer Information

"What's in a Bag of Fertilizer?" is the title of a timely little pamphlet issued by the National Fertilizer Association that is due to receive widespread circulation throughout the farming areas. It gives the answer to this all important question in language that the layman can readily understand, which is calculated to reduce some of the heat on Congress from farm organizations for passage of drastic fertilizer legislation.

Many farmers, as a result of propaganda of the farm organizations, have the impression that when they buy a bag of 5-10-5 fertilizer they get only 20 percent in plantfoods and the rest is inert materials such as sand or something else for which they have no use but for which they pay fertilizer prices. Naturally, they resent this and demand Congress to put a stop to it. What they don't understand is that the percentages are basic—N, $P_2O_5$, and $K_2O$—and that the other components of the nitrogenate, phosphatic, and potassic salts, and even the added stabilizing material itself, are elementarily beneficial to the soil but can't be labeled as such because of many State laws.

The pamphlet answers these and other questions to show that there is a lot more plant food in the fertilizer than is stated on the outside—it is in the bag if not on the label.

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# Heavy Chemicals

October has occasioned improvement in the extent of consuming inquiries for industrial chemicals. Production of many of the smaller tonnage chemicals has been keyed to meet demand, but in the larger items such as soda ash, caustic soda and chlorine stocks have remained definitely tight. The infusion of additional output of soda ash has taken some of the pressure from shipments, but it is believed that an open market for soda ash and other chemicals affiliated with the alkali group is something that will only develop in the far distant future. The serious shortage of boxcars in various sections of the country has exerted a disrupting influence upon shipments while the scarcity of tankcars, steel drums and glass carboys has contributed to an uneven flow of materials both to and from works. Prices generally are firm with high producing costs and increasing freight rates primary factors in keeping the current trend of quotations upward.

Caustic potash and potassium carbonate prices were advanced slightly at the beginning of November. The chorates have assumed a definitely tight supply condition with both sodium and potassium feeling the full impact of heavy buying. Refined sulphur prices are being revised sufficiently to cover the higher costs of production. Output of manganese chloride has been cutback and prices are higher. Producers have finally caught up with contract schedules for copper chloride crystals. The copper sulphate stockpile will probably work lower until the western demand is satisfied. Phosphorus chemicals have held a satisfactory supply position with the markets well in balance. No improvement in white arsenic stocks could be noted although some interests do not expect the market to be as tight in 1948 as in 1947. Nickel formate has improved its supply situation and shipments are now matching contract schedules. Formic acid producers assert there is no easement from the short supply of glass carboys.

Glacial acetic acid is firm with stocks fairly normal and considerable business placed for shipment this month. Chromic acid has remained short with shipments confined to domestic contract accounts. Sulphuric acid is not flush at present regardless of the maintenance of heavy output. Oxalic acid is out of the open market for the rest of this year.

Paper production based on a percentage of six-day capacity was 109.7 percent for the week ending October 25, according to the American Pulp and Paper Association. This compares with 108.3 in the preceding week and 106.8 for the corresponding week in 1946.

*Production figures appearing below are from the Chemical Division of the United States Tariff Commission unless otherwise designated.*

**Acetic Anhydride** — August production was slightly lower than the preceding month. The total registered in July was 52,518,032 pounds, compared with 52,910,218 pounds in July. The high level was made in May at 54,248,626 pounds and the low in June at 41,433,264 pounds. This material was produced from ketone, acetylene, ethylene and from acetic acid by the vapor phase process. Exports covering the period from January 1 through July showed a total of 650,000 pounds, compared with 1,582,000 pounds for the corresponding period in 1946.

**Ammoniac Sal**—Slight improvement could be noted in the supply situation of white granular at the close of the month. The market position remained tight but stocks were not as short as noted a month ago. Buying interest continued active with the dry battery trade demand exceeding the inquiry from other consuming sources.

**Arsenic** — Market conditions have remained exceedingly tight during the month of October and there is no indication of a freer supply in November. It is stated that recent European importations have been absorbed by the ceramic industry at prices averaging around 10c. per pound, New York. Department of Commerce gives total July imports at 1,978,000 pounds, practically all from Mexico. These were 36 percent below June but only 175,000 pounds less than July, 1946.

**Carbon Disulphide**—Some pickup in output was recorded in August. Total production was 29,501,472 pounds, compared with 28,210,960 pounds in July. The highest output recorded in the first eight months was 30,263,833 pounds in March and the lowest 26,613,022 pounds was in February.

**Carbon Tetrachloride**—Supply conditions gave no indication of easement at the close of the month of October. Some of the large producers are allocating this material to their regular customers. Output in August amounted to 17,630,932 pounds, against 15,784,934 pounds in the preceding month. The highest production in the eight months recorded was 17,829,018 pounds in March and the lowest 14,456,312 pounds in April. Exports from January 1 through August were 3,710,000 pounds, compared with 2,371,000 pounds for the same period in 1946.

**Copper Chloride**—Producers have brought their contract shipments of crystals up to a level to meet requirements but are still somewhat behind on the anhydrous grade. Demand is steady with prices firm.

**Copper Hydrate** — Buying interest has continued confined mostly to the chemical industry. Production has kept stocks at a level sufficient to permit prompt shipments at the former price schedule.

**Copper Nitrate**—Market position firm and in a well balanced condition. Output is meeting the consuming demand and prompt shipments are available for additional requirements.

**Manganese Chloride**—Supply of the anhydrous grade has been reduced recently as a result of a producer withdrawing from the market. Prices are higher with 18c. per pound named for 350 pound drums, nonreturnable, with a charge of $4.50 per drum. This would be equal to approximately 19c. per pound f.o.b. the works.

**Nickel Formate**—Producers have secured enough formic acid to bring output equal to requirements. Shipments were below schedule for some time. Demand for catalytic processes was reported steady.

**Nickel Sulphate** — No indication of a shortage in this material at present. Sustained production has kept buying conditions favorable for this chemical and also for carbonate and other nickel based chemicals.

**Phosphorous**—Oxychloride shipments have run close to schedule and the market shows a satisfactory degree of balance with industrial demand normal. Conditions are similar in pentachloride, pentoxide and trichloride.

**Potash, Caustic**—Higher prices are effective for contract shipments for all grades of this material. Regular solid is priced at 7¼c. per pound for 88-92 percent in drums, carlots and 8c. per pound for smaller quantities. Flakes are held at 7.85c. per pound for drums in carlots and at 8.60c. per pound for less. Liquid 45 percent in drums 3.575c. in carlots and 3.95c. per pound for less. Tanks 45 percent .3¼c. The low chloride flaked basis 90 percent is priced at 9.60c. per pound for drums in carlots and 10.35c. for less. Liquid basis 90 percent in drums 9c. per pound and 9¾c. for less. Tanks 8¼ per pound. Solid is held at 9c. per pound drums in carlots and 9¾c. for less. All prices are f.o.b. the works.

**Potassium Carbonate**—Prices have been adjusted to a higher selling level for contract shipments. Technical calcined is priced at 7¼c. per pound in barrels carlots and at 8¼c. per pound for less. Hydrated is quoted at 6c. per pound for barrels in carlots and at 6¾c. per pound for less. Liquid is priced at 3.45c. per pound in drums, carlots and at 3.82½c. for less. Tanks are held at 3⅛c. per pound. All prices are f.o.b. the works.

**Potassium Chlorate**—Supply situation has remained tight under a heavy industrial demand that has temporarily exceeded output. While buying from the match industry

*For Late Market Developments, See Page 4*

## *Market Trends*

**Prices Advanced**

Manganese chloride, anhyd., 4c. per lb.
Potash, caustic, reg., flakes, 35c. per 100 lbs.
liquid, 20c. per 100 lbs.
solid, 50c. per 100 lbs.
low chloride liquid, 25c. per 100 lbs.
solid, 25c. per 100 lbs.
Potassium carbonate, cal., 25c. per 100 lbs.
hydrated, 25c. per 100 lbs.
Silver bullion, 3½c. per ounce.
Sulphur, refined, 10c. to 30c. per 100 lbs.

**Prices Reduced**

None

**Comparative Price Indexes**

(100=August 1, 1914)

*General Chemicals*

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 202.3 | 201.3 | 201.3 | 172.2 |

*Acids*

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 119.5 | 119.5 | 119.5 | 116.0 |

*(For Current Prices see Page 9)*


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SPECIFICATIONS

| | Max. | Min. | Typical Analysis |
|---|---|---|---|
| Melting Point | | | |
| Drop Method | ..... | 175F | 190F |
| ASTM Ring & Ball | ..... | 71C | 79C |
| Acid Number | 125 | 90 | 105 |
| Color | ..... | Dark | Dark |
| Gasoline Insoluble | 80% | 50% | 70% |

PROPERTIES

Unsaponifiable Matter: Approximately 20%.
Saponification Number: Approximately 140.
Toluene Insoluble: Approximately 1.0%.
Ash: Approximately 0.1%.

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has predominated there has been a steady increase in the miscellaneous inquiry for additional lots. Perchlorate is not as tight as chlorate inasmuch as producers can make shipments within 30 days.

**Saltpeter**—Market has been kept in a favorable supply condition through the maintenance of steady production. Consuming demand is described as normal with prompt shipments available at current price levels. This is at least one chemical where the movement from works has not been disrupted by the boxcar shortage.

**Soda Ash**—Maintenance of industrial demand at an abnormally high level has kept the supply situation tight and at present it looks as though stocks will continue short indefinitely. Recently increased production has permitted a better distribution against contracts and relieved some of the pressure for shipments but there remains considerably more demand than supply.

**Soda, Caustic**—Total production has continued insufficient to meet all industrial requirements and the market's position has continued exceedingly tight and without any indication of easement in sight. Demand is so far ahead of supply that some of the large producers are not inclined to look for any open market stocks over 1948.

**Sodium Bicarbonate**—Producers have experienced difficulty in securing boxcars and the movement from works is slightly behind schedule. The maintenance of a heavy consuming demand has kept the supply situation fairly tight. No change in the price schedule has been made.

**Sodium Chlorate**—Definitely tight at present with producers experiencing considerable difficulty in securing boxcars and this has aggravated the movemen. from works. Current production has not been sufficient to level off demand and shipments have continued to run behind scheduled requirements.

**Sodium F'ormate**—Steady demand, mostly from the textile and chemical industries, has held the supply situation relatively tight. However, producers have been able to meet the essential requirements of regular consumers.

**Sulphur**—Price revisions are being made in the different grades of refined sulphur and will probably be completed some time in November. At present commercial flour is priced at $1.40 for 100 pounds f.o.b. Texas mine or $1.90 New York. Rubbermakers' grade $2 per 100 pounds and refined rubbermakers' grade $2.60 New York. Sublimed flour U. S. P. $3.60 per 100 pounds New York and refined roll $3.05. These prices are for carlot shipments. Smaller lots command a premium of 35c. per 100 pounds per five ton lots and 70c. per 100 pounds for one to five ton lots.

**Zirconium Oxide**—Production has been maintained at a level higher than in 1946 and the supply has met requirements in the ceramic and other consuming industries on a prompt basis. The electric fused grade is priced at 44c. per pound for bags in carlots, 44½c. per pound for 5 ton lots and at 45c. to 48c. for one ton or less f.o.b. the works.

**Zirconium Silicate**—Demand is reported somewhat spotty for this chemical. An active inquiry in September was followed by irregularity in October. Export sales have run considerably ahead of last year with Australia and South American countries the principal buyers. A new consuming outlet has been developed recently in the optical trade where the silicate has been used successfully in polishing optical goods. The milled variety is priced at 4¾c. per pound for bags in carlots and at 5¼c. to 6¾c. for smaller quantities. The refined grade is held at 11c. per pound in barrels for carlots and at 11½c. to 16c. for less, f.o.b. the works.

## Acids

**Acetic**—Market position firm and close to balance regarding supply and demand. In producing quarters it was stated that orders for November shipment have been steadily increasing which suggests a strong market throughout the month and probably over the remainder of the year. There are no indications of increased production. August output of synthetic acetic acid amounted to 32,845,382 pounds, compared with 33,193,626 pounds in the preceding month. The amount of recovered acid in August was 116,837,649 pounds, against 121,831,729 pounds in July. Production of natural acetic acid was 2,159,029 pounds and included that made by direct process from wood and that distilled from calcium acetate. Output of natural in July was 2,222,002 pounds.

**Chromic**—Supply conditions have not improved during the past month. Demand for plating purposes has kept above the production level and short shipments have been confined to domestic contract accounts.

**Formic**—Market position firm under a fairly steady demand. Producers continue to be confronted with a shortage of glass carboys which is making it difficult to move this acid from works on schedule time.

**Nitric**—About on even beam with demand and supply. Shipping conditions about the same as in formic acid where the shortage of glass carboys is having a tendency to delay the movement from works.

**Oxalic**—Maintains a definitely tight supply condition which seems likely to last well into 1948. Producers are considerably behind contract schedules and the current movement is confined entirely to contract consumers.

**Sulphuric**—There has been no easement in the supply situation in this area. The shortage of acid in tankcars is still pronounced with demand active. Difficulty in securing carboys has also prevented any excess offerings in these containers.

## Non-Ferrous Metals

**Aluminum**—Average daily production of virgin aluminum in July was virtually the same as in June, according to the Bureau of Mines, but the monthly total was slightly less than 4 percent higher owing to the longer month. Disposals, however, were 20 percent higher than in the preceding month and exceeded the average for the first half-year by 10 percent. As a consequence, the rapid increase in producers' stocks which had been nearly 10,000 short tons

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monthly in the first six months dropped to 42 percent of the average increment, and the total of these stocks was equivalent to 50 days' production at the July rate. Production in July registered 47,998 tons, compared with 46,259 tons in June and a high of 53,032 tons in March. Stocks on July 31 were 78,054 tons, against 73,893 tons on June 30. July stocks were at the highest level for any of the first seven months.

**Copper**—Market position remained steady over the turn of the month. Transportation difficulties have interfered with operations at one of the major producing plants but it is hoped this will be temporary. Consumming demand has shown a tendency to expand with the wire mills the largest buyers. Export sales have not exceeded moderate dimensions. Copper scrap has developed a firmer tone so far as brass and bronze ingot makers are concerned. Inventories of scrap were said to be lower at the close than at the beginning of October.

**Lead Scrap**—Effective immediately: lead scrap and residues have been removed from the positive list and placed on general license for exportation to all destinations in country group K.

**Molybdenum**—Press advices from China state one of the largest molybdenum mines in the world situated near Chinhsi, 25 miles west of Hulutao, in Liaoning, was destroyed in the recent communist occupation of the area. Arrangements are said to have been made to restore activity at the mine by January 1, 1948. The fact that the mine's machinery has been removed and its pits blasted, it is expected China's output will be greatly restricted indefinitely.

**Nickel**—As a result of the wartime development of an electric smelting process, vast deposits of low-grade nickel ore in the Pacific Northwest offer a potential domestic source for this important metal which can be recovered as a high-grade nickel-iron alloy, the Bureau of Mines reported. Two of the largest known deposits of nickel ore in the United States are the Cle Elum deposit in Central Washington and the Riddle deposit in Southwestern Oregon. On the basis of exploratory work, the ore reserves in the Cle Elum district are estimated in excess of 5,500,000 tons, while the reserves in the Riddle deposit are estimated at 6,000,000 tons. The Bureau report dealing with the nickel investigations was prepared by the Metallurgical Branch at Salt Lake City, Utah. In addition to descriptions of detailed operations, the report includes estimates of energy and reducing agent requirements for several possible smelting procedures. A free copy of the publication, Report of Investigations 4122, "Electric Smelting of Low-Grade Nickel Ores," may be obtained by writing to the Bureau of Mines, Publications Section, 4800 Forbes street, Pittsburgh 13, Pa.

**Quicksilver**—A somewhat steadier undertone prevailed locally during the past week. While demand was little changed from its recent volume, more inquiry was present and for the most part there was a material shift toward a more stable market in which considerably less tendency toward price concessions was noted. There was still some reason to think that the European cartel eventually may make price concessions on business with the United States, this for the purpose of increasing dollar credits for European exporting countries.

*San Francisco, Oct. 30.*—The quicksilver market was slightly stronger here this week. However, inquiry was only fair. The market held at between $79 and $80 per flask, this city.

**Silver**—Market undertone was firmer last week. Improved demand was reflected in a slight advance in prices. The official closing price at New York was 74½c. per ounce.

**Silver Bullion Price Range**

| | Per ounce | |
|---|---|---|
| | New York | London |
| High | Mar. 6—86¼c. | Jan. 2—55½d. |
| Low | June 20—59⅜c. | June 20—39d. |

**Tin**—Combined Tin Committee announced final allocations for the second half of 1947 amounting to 11,085 long tons. These allocations are in addition to 11,331 tons announced July 8, 1947, 15,710 tons announced August 21, 1947, and 731 tons approved since the last formal meeting of the Committee. Total allocations to date amount to 38,857 tons. The present allocations are somewhat higher than had been predicted in August, owing to a moderate increase in export availabilities from the producing countries. Except for a small reserve to cover the revised allocations noted above, all visible supplies for the half year have now been allocated. Although the rate of production of tin metal is increasing, the total new supplies still fall considerably short of requirements.

**Tungsten**—According to Washington advices, the army is divided over what to do with 8,000,000 pounds of tungsten which it has in Kansas. Senator Malone of Nevada has been arguing with army officials to stockpile this material but in some quarters, the opinion favors dumping the tungsten on the market because it is said the army needs the money.

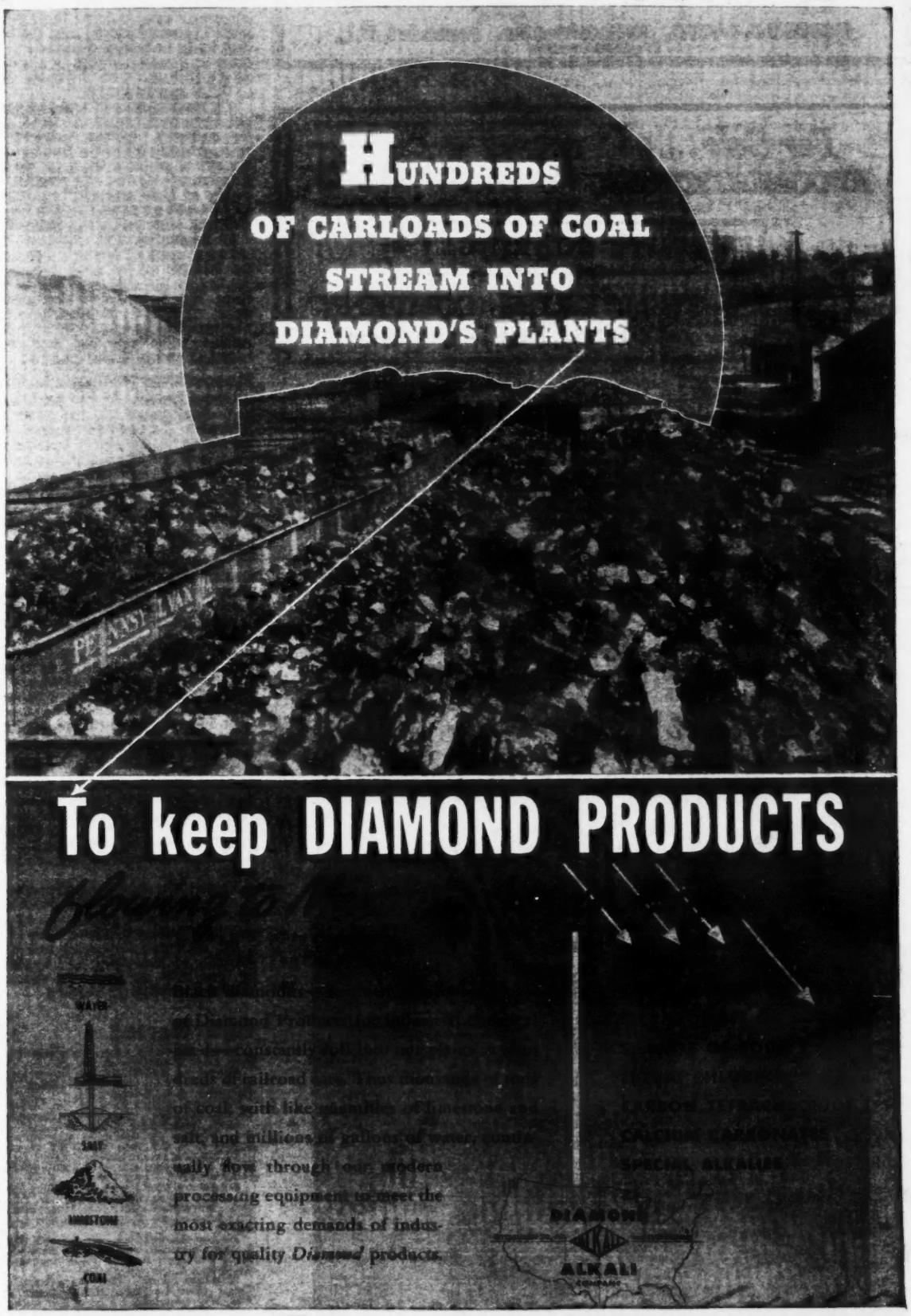
**B. F. Goodrich Chemical** Company, Rose Building, Cleveland 15, Ohio, offers upon request a new technical service bulletin 47-H1 on "Hycar" American rubber latices.

## W.Va. Pulp & Paper Advances Four Executives

West Virginia Pulp & Paper Company, New York, has named George N. Hoover, jr., and Ray A. Stocker, assistant managers of its Mechanicville, N. Y., plant, advanced Melvin L. McCreary to assistant manager of its Williamsburg, Pa., plant and appointed J. Lynne Ferner general superintendent of of its Tyrone, Pa., plant.

Mr. Hoover, who has been with the company since 1922, is in charge of production and operations at Mechanicville, while Mr. Stocker is in charge of administration and personnel. The latter joined the organization in 1942 and was office manager before receiving his present assignment.

Mr. McCreary, who has been serving as technical assistant to the plant manager at Williamsburg, started with the company in 1935 as a chemist in the plant laboratory. Mr. Ferner has been superintendent of the paper mill at Tyrone since 1945. He joined the organization in 1933 as a control tester in the main laboratory and in 1939 was named assistant superintendent of the paper mill.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## CCDA Views Aspects

*—Continued from page 5*

talks, and declared that even though he is not a member of the sales department it is probably well to assign him responsibility for exploiting his product whenever he finds it possible.

In regard to these special assignments for technical service men, Mr. Moulton said that some companies split them up by industries, others by products, while others cross lines. Perhaps the most common arrangement, he said, is to assign the salesmen by industries or groups of industries and to let the service men handle single products or groups of products. Crossing over industry boundaries, he added, is a good practice because it is frequently possible to borrow a technique from one side to use on the other.

### Personnel Requirements

Mr. Moulton declared that a good technical background is required for this work, complemented with the ability to write and to speak well. He said that the technical service man should be just about as able to sell as the direct salesman and, in fact, an interchange of manpower between the two staffs is not uncommon.

"He must possess the unusual quality of having more than a simple familiarity with the technical and business activities of the company," according to Mr. Moulton. "He must be so much at home in the laboratory that he is welcomed there and not looked upon as a nuisance and, on the other side of the picture, he must possess the ability to think commercially."

Mr. Moulton pointed out that great harm can come from giving too much service to the customer. "If the consumer of your raw materials leans too heavily upon you for aid in adapting them to his processes, it is unlikely that he will ever become fully aware of their potentialities. This means that he will miss opportunities for exploitation and, even worse, may misapply them."

In conclusion, Mr. Moulton said that although most of his talk was devoted to the benefits of technical service as they applied to the customer and to the company, the technical service man himself gains. The job he is doing, he said, affords him excellent training since he has intimate contact with both the commercial and technical phases of the business.

### Responsibility for Development

Games Slayter, vice-president for research and development of the Owens-Corning Fiberglas Corporation, defined technical service as "an attempt to bring together the know-how and the need," and to place the production department in touch with the necessities encountered by the sales staff.

In many corporations, he said, a new product is in much the same position as a youth entering college, for it encounters a "layer cake of confusion" in a large number of highly specialized departments not one of which is definitely charged with the responsibility that the product shall make money for the company, or, in the case of a college, that the boy shall gain an education.

In the last analysis, according to Mr. Slayter, the boy's own effort extracts benefit from the various collegiate departments but a new product, being an inanimate idea, cannot so function.

In his own company, according to Mr. Slayter, technical service is so organized that those charged with the responsibility for a new product actually grow with it and stay with it through all the steps necessary to its becoming a commercial success. He described the progress of several new products in his firm and answered many questions regarding the company's policies in delegating responsibility for new products.

Frank W. Lovejoy, vice-president of Socony-Vacuum Oil Company, discussed the various aspects of merchandising in a talk entitled "Selling in Times Like These."

Dr. Hitchcock announced that the annual meeting of the association would be held in New York on March 10, preceded by a business meeting on March 9.

## Bids Wanted

**Alum,** 50 tons, Army Chemical Center, Md., invitation W-132, November 10.

**Aluminum hydroxide gel,** 1,680 gallons, Veterans Administration (Washington 25, D. C.) invitation A-55, November 7.

**Charcoal,** activated, 1,540 lbs, Army Chemical Center, Md., invitation W-131, November 10.

**DDT,** insecticide, 1,500 lbs., and crude, 200 lbs., District of Columbia Government (Washington 1, D. C.), schedule 10787, November 7.

**Dichlorodifluoromethane,** 14,500 lbs., Panama Canal Purchasing Officer (Washington 25, D. C.), schedule 8797, November 4.

**Drugs and chemicals,** Army-Navy Medical Procurement Office (Brooklyn 1, N. Y.), invitation 231, November 17; Veterans Administration (Washington 25, D. C.), invitation A-55, November 7.

**Engine oil,** aviation, as required from January 1, 1948, through June 30, 1948, Army-Navy Petroleum Purchase Agency (Washington 25, D. C.), invitation 5, November 20.

**Ethylene glycol,** 274,487 gallons, Army Air Corps (Wright Field, Dayton, Ohio), invitation 370, November 14.

**Ink,** litho, 1,500 lbs., Army Map Service (Washington 16, D. C.), invitation 15, November 24; stencil, 6,350 lbs., Treasury Department (Washington 25, D. C.), invitation 2C-57434-R, November 6.

**Lacquer,** 815 gallons, Army Air Corps (Wright Field, Dayton, Ohio), invitation 387, November 12.

**Lacquer thinner,** 2,390 gallons, Army Air Corps (Wright Field, Dayton, Ohio), invitation 387, November 12; 10,000 gallons, Army Chemical Center, Md., invitation W-129, November 7.

**Linseed oil,** boiled, 310 gallons, Army Chemical Center, Md., invitation W-130, November 7.

**Lubricant,** street car motor, City of Cleveland, resolution No. 1421-47, November 7.

**Motor fuel,** aviation, as required from January 1, 1948, through June 30, 1948, Army-Navy Petroleum Purchase Agency (Washington 25, D. C.), invitation 5, November 20.

**Paint, enamel,** 5,000 gallons, Army Chemical Center, Md., invitation W-129, November 7; 19,500 gallons, Army Ordnance Department (Dover, N. J.), invitation 42, November 20.

**Paint, various,** 800 gallons, District of Columbia Government (Washington 1, D. C.), schedule 10835-A, November 7; 4,060 gallons, Department of Commerce (Washington 25, D. C.), invitation 4090, November 5; 1,925 gallons, Army Chemical Center, Md., invitation W-130, November 7.

**Paraffin,** refined, 1,464 lbs., Veterans Administration (Washington 25, D. C.), invitation A-55, November 7.

**Primer,** rust inhibiting, 5,000 gallons, Army Chemical Center, Md., invitation W-129, November 7.

**Protein hydrolysate** solution, Army-Navy Procurement Office (Brooklyn 1, N. Y.), invitation 212, November 10.

**Red lead,** in oil, 1,000 lbs., District of Columbia Government (Washington 1, D. C.), schedule 10769, November 5; 1,000 lbs., Army Chemical Center, Md., invitation W-130, November 7.

**Soap,** automobile, 4,000 lbs., Army Ordnance Department (Metuchen, N. J.), invitation 58, November 24; dispenser, 180 lbs., Veterans Administration Hospital (Aspinwall 15, Pa.), invitation 48-118, November 5; soft, 22,608 lbs., Veterans Administration (Washington 25, D. C.), invitation A-55, November 7.

**Sodium hexametaphosphate,** 4,000 lbs., Army Air Corps (Dayton 1, Ohio), invitation 323, November 12.

**Soybean oil,** edible, hydrogenated, approx. 2,200,000 lbs., and refined, 3,300,000 lbs., Department of Agriculture, Domestic Procurement Section, Fats and Oils Branch, CCC (Washington 25, D. C.), announcement FO-38, GSP, November 5.

**Tallow fatty acid,** 672,000 lbs., Department of Agriculture, Domestic Procurement Section, Fats and Oils Branch, CCC (Washington 25, D. C.), announcement FO-33,, supplement No. 1, GSP, November 4.

**Trisodium phosphate,** wall cleaner, 2,700 lbs., Veterans Administration Hospital (Aspinwall, Pa.), invitation 48-118, November 5.

**Varnish,** 600 gallons, Department of Commerce (Washington 25, D. C.), invitation 4090, November 5.

**Wax,** floor, liquid, 4,400 gallons; water emulsion, 2,000 gallons; paste, 14,000 lbs., Marine Corps (Washington 25, D. C.), schedule 224, November 12.

## Professional Services

### *Analysis—Testing—Patents Formulations—Trademarks*

*(For further details see listings in OPD Green Book.)*

**Jerome Alexander**
50 East 41st St., New York 17, N. Y.

**Arlinco Research Laboratory, Inc.**
333 West 52d St., New York 19, N. Y.

**Assn. of Consulting Chemists & Chemical Engineers, Inc.**
50 East 41st St., New York 17, N. Y.

**Biological Laboratories**
16 Clinton St., Brooklyn 2, N. Y.

**Bjorksten Research Laboratories**
185 N. Wabash Ave., Chicago 1, Ill.

**Bureau of Chemistry**
2 Broadway, New York 4, N. Y.

**Cleveland Chemical Engineering Service**
5307 Sweeney Ave., Cleveland 4, Ohio

**Colburn Laboratories, Inc.**
431 S. Dearborn St., Chicago 5, Ill.

**Di Cyan & Brown**
12 East 41st St., New York 17, N. Y.

**Dr. J. Ehrlich**
153 S. Doheny Dr., Beverly Hills, Calif.

**Evans Research & Development Corp.**
250 East 43rd St., New York 17, N. Y.

**Food Research Laboratories, Inc.**
48-14 33rd St., Long Island City 1, N. Y.

**E. M. Laning Company**
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**LaWall & Harrisson**
1921 Walnut St., Philadelphia 3, Pa.

**Leberco Laboratories**
123 Hawthorne St., Roselle Park, N. J.

**Dr. Fred Linsker**
607 West 43d St., New York 18, N. Y.

**Molnar Laboratories**
211 East 19th St., New York 3, N. Y.

**Munch Research Laboratories, Inc.**
306 South 69th St., Upper Darby, Pa.

**Orthmann Laboratories, Inc.**
647 W. Virginia St., Milwaukee, Wis.

**Public Service Testing Laboratories, Inc.**
381 Fourth Ave., New York 16, N. Y.

**W. S. Purdy Company, Inc.**
18 Bridge St., Brooklyn 1, N. Y.

**Resinous Research Associates**
119 West 57th St., New York 19, N. Y.

**Schwarz Laboratories, Inc.**
202 East 44th St., New York 17, N. Y.

**Foster D. Snell, Inc.**
29 West 15th St., New York 11, N. Y.

**R. Steckler Laboratories**
10111 Euclid Ave., Cleveland 6, Ohio

**Stillwell & Gladding, Inc.**
130 Cedar St., New York 6, N. Y.

**Wiley & Company, Inc.**
Calvert & Reed Sts., Baltimore 2, Md.

## Synthetic Resins

—Continued from page 38

Polypale ester, No. 1, non-ret. dms., c.l., dlvd, zone 1..lb. .16 - —
l.c.l., same basis.....lb. .16½- —
No. 2, c.l. same basis.....lb. .18¾- —
l.c.l., same basis.....lb. .19¼- —
No. 10, non-ret. dms., c.l., dlvd..lb. .15 - —
l.c.l., same basis.....lb. .15½- —

R

Resimene 875, non-ret. dms., c.l., f.o.b. Springfield, Mass..lb. .37½- —
non-ret. dms., l.c.l., same basis..lb. .37¾- —
5-gal. containers, same basis....lb. .39¼- —
881-AI, non-ret. dms., c.l., same basis lb. .44 - —
non-ret. dms., l.c.l., same basis..lb. .44½- —
5-gal. containers, same basis.....lb. .46½- —

Freight charges allowed on shipments of 200 lbs. or more, net weight, via route of shipper's choice up to but not exceeding l.c.l. rate to and including St. Louis, Mo. Shipments of less than 200 lbs., price is f.o.b. Springfield, Mass.

Rezyl 92-5, dms., c.l., fr. alld.....lb. .31 - —
l.c.l.....lb. .31½- —
99-4-99, c.l., same basis.....lb. .25 - —
l.c.l.....lb. .25½- —
330-5, c.l., same basis.....lb. .23¼- —
l.c.l.....lb. .23¾- —
387-5 c.l., same basis.....lb. .23 - —
l.c.l.....lb. .23½- —
412-1, c.l. same basis.....lb. .20 - —
l.c.l.....lb. .20½- —
435-1, c.l., same basis.....lb. .21¼- —
l.c.l.....lb. .21⅝- —
728-5 c.l., same basis.....lb. .25½- —
l.c.l.....lb. .26 - —
729-5, c.l., same basis.....lb. .23½- —
l.c.l.....lb. .24 - —
731-5, c.l., same basis.....lb. .25½- —
l.c.l.....lb. .26 - —
775-1, c.l., same basis.....lb. .22 - —
l.c.l.....lb. .22½- —
784-1, c.l., same basis.....lb. .24 - —
l.c.l.....lb. .24½- —
807-1, c.l., same basis.....lb. .22 - —
l.c.l.....lb. .22½- —
811-1, c.l., same basis.....lb. .24 - —
l.c.l.....lb. .25½- —
823-1, c.l., same basis.....lb. .21½- —
l.c.l.....lb. .22 - —
869-1, c.l., same basis.....lb. .34½- —
l.c.l.....lb. .35 - —
872-1, c.l., same basis.....lb. .26½- —
l.c.l.....lb. .27 - —
873-1, c.l., same basis.....lb. .25¼- —
l.c.l.....lb. .25¾- —
880-1, c.l., same basis.....lb. .24½- —
l.c.l.....lb. .25 - —
1102-5, c.l., same basis.....lb. .22½- —
l.c.l.....lb. .23 - —
solid, 99, c.l., same basis.....lb. .46½- —
l.c.l.....lb. .47 - —
X-315, c.l., same basis.....lb. .45¼- —
l.c.l.....lb. .45¾- —
869, c.l., same basis.....lb. .52 - —
l.c.l., same basis.....lb. .52½- —

S

Santolite MHP, HLA, 60-lb. tins, incl., 100,000-lb. lots, f.o.b. St. Louis, lb. .35 - —
25,000-lb. lots, same basis.....lb. .36 - —
5,000-lb. lots, same basis.....lb. .37 - —
1,000-lb. lots and less, same basis, lb. .38 - .40
K-5-11, 500-lb. dms., incl., 25,000-lb. lots, same basis..lb. .35 - —
10,000-lb. lots, same basis.....lb. .38 - —
1,000-lb. lots and less, same basis, lb. .41 - .46
MS 80% solution, 540-lb. dms., incl., 25,000-lb. lots, same basis..lb. .35 - —
5,000-lb. lots, same basis.....lb. .36 - —
1,000-lb. lots and less, same basis, lb. .36½- .41½
Saran F-120 resin, c.l., works.....lb. .52 - —
l.c.l., same basis.....lb. .54 - —
F-122 latex, approx. 50% solids contained, wood, bbls. (55 gals.), c.l., works..lb. .40 - —
l.c.l., same basis.....lb. .44 - —
10-gal. bbls., same basis.....lb. .50 - —
Silene (see Calcium silicate hydrated under C in Current Market Quotations).
Staybelite ester, No. 5, non-ret. dms., c.l., f.o.b., customer's siding, zone 1..lb. .19 - —
l.c.l., same basis.....lb. .19½- —
No. 10, c.l., same basis.....lb. .18 - —
l.c.l., same basis.....lb. .18½- —
No. 101, c.l., same basis.....lb. .19 - —
l.c.l., same basis.....lb. .19½- —

T

Teglac, 15, dms., c.l., frt. alld.....lb. .26 - —
l.c.l., same basist.....lb. .26½- —
127, c.l., frt. alld.....lb. .24½- —
l.c.l., same basis.....lb. .25 - —
128, c.l., frt. alld.....lb. .23½- —
l.c.l., same basis.....lb. .24 - —
Z-152, c.l., frt. alld.....lb. .26½- —
l.c.l., same basis.....lb. .27½- —
161, c.l., frt. alld.....lb. .23½- —
l.c.l., same basis.....lb. .24 - —
164, c.l., frt. alld.....lb. .23½- —
l.c.l., same basis.....lb. .24 - —

V

Vanadist resins, grade B, 240-255° F. m.p., whse..lb. .028 - .052
C, 315-340° F. m.p., whse.....lb. .021 - .050
D, 170-180° F. m.p., whse.....lb. .030 - .055
MR, 260-270° F. m.p., whse....lb. .024 - .050
pulverized, whse.....lb. .0850- .210
solution, whse.....lb. .4000- .650
Velsicol, resins, AD-6-3, dms., c.l., f.o.b. works..lb. .15 - —
10 dms. up, works.....lb. .15½- —
1-9 dms., works.....lb. .16 - —
AB-11-4, dms., c.l., works.....lb. .09¼- —
l.c.l., dms., works.....lb. .09½- —
Solutions, AD-660, tankcars, works, lb. .09⅞- —
dms., c.l., works.....lb. .11¼- —
l.c.l., works.....lb. .11¾- —
AD-670, tankcars, works.....lb. .11¼- —
dms., c.l., works.....lb. .12⅝- —
l.c.l., works.....lb. .13¼- —
AB-400, tankcars, works.....lb. .06⅜- —
dms., c.l., works.....lb. .08 - —
l.c.l., works.....lb. .08½- —
Cost of non-returnable drums included in the above prices.
Vinsol resin, c.l., f.o.b. works.....lb. .06 - —
1,000 lbs., same basis.....lb. .07 - —
500 lbs. to 950 lbs., same basis..lb. .07½- —
less than 500 lbs., same basis..lb. .10 - —

Vinylseal, vinylite resin AYAB, 69-72% by weight, solution in acetone, non-ret. dms., ex 5-gal. carboys, f.o.b. South Charleston, W. Va.
A-70, drum lots, same basis....gal. 2.75 - —
less than drum lots, same basis.. gal. 3.00 - —
Vinylite resin, AYAF, 35% by weight, solution in acetone, same basis.
A-35, drum lots, same basis....gal. 2.10 - —
less than drum lots, same basis.gal. 2.50 - —
Modified vinyl acetate resin, 24.5% by weight, solution in toluene, same basis.
T-24-9, 20-dm. lots, same basis..gal. 2.00 - —
drum lots, same basis.....gal. 2.25 - —
less than drum lots, same basis.gal. 2.50 - —
Modified vinyl acetate resin, 28% by weight, solution in 82% methyl acetate, same basis.
MA-28-14, 20-dm. lots, same basis. gal. 2.15 - —
drum lots, same basis.....gal. 2.40 - —
less drum lots, same basis....gal. 2.65 - —
MA-28-18, 20-dm. lots, same basis.. gal. 2.15 - —
drum lots, same basis..... gal. 2.40 - —
Vinylite resin, modified vinyl-acetate, MA-28-18, less than drum lots, same basis..gal. 2.65 - —
Vinyl chloride-acetate, VYLF, VYHH, VYNW, VYNU, VYDR, VYNV, VYNY, VYNL, powdered, c.l. (30,000 lbs.), paper bgs., f.o.b. cars, South Charleston, W. Va..lb. .33 - —
10,000 to 29,999 lbs., same basis lb. .34 - —
200 to 9,999 lbs., same basis.....lb. .35 - —
1 to 199 lbs., same basis.....lb. .51 - —
VYNS, c.l. (30,000 lbs.), paper bgs., same basis..lb. .44 - —
10,000 to 29,999 lbs., same basis.lb. .45 - —
200 to 9,999 lbs., same basis.. ..lb. .46 - —
1 to 199 lbs., same basis.....lb. .62 - —
VYCM, powd., c.l., (30,000 lbs.), paper bgs., f.o.b. cars South Charleston, W. Va..lb. .38 - —
10,000-29,999 lbs., same basis....lb. .39 - —
200-9,999 lbs., same basis.....lb. .40 - —
1-199 lbs., same basis.....lb. .56 - —
VMCH, c.l. (30,000 lbs.), same basis, lb. .39 - —
10,000 to 29,999 lbs., same basis..lb. .40 - —
200 to 9,999 lbs., same basis....lb. .41 - —
1 to 199 lbs., same basis.....lb. .67 - —
Acetate resin, AYAB, lumps (in fiber drums at option of seller): AYAA, AYAF, AYAT, granular (in paper bags only), f.o.b. cars South Charleston, W. Va., freight paid to destination E. of Mississippi River, c.l. (30,000 lbs.).....lb. .40 - —
AYAB, AYAA, AYAF, AYAT, 2,000 to 29,999 lbs., same basis..lb. .43 - —
200 to 1,999 lbs., same basis....lb. .45 - —
1 to 199 lbs., same basis.....lb. .60 - —
AYAC, solid, fiber dms., at option of seller, c.l. (30,000 lbs.), f.o.b. cars South Charleston, W. Va.....lb. .43 - —
2,000-29,999 lbs., same basis.....lb. .45 - —
AYAC, 200-1,999 lbs., same basis..lb. .47 - —
1-199 lbs., same basis.....lb. .62 - —
Butyral resins, XYSG, XYHM, XYHL, granular, 96 to 97% solids, prices based on contained solids (in paper bags at option of sellers).
80,000 lbs., f.o.b. cars South Charleston, W. Va., c.l..lb. .82 - —
10,000 to 29,999 lbs., same basis..lb. .83 - —
200 to 9,999 lbs., same basis....lb. .84 - —
1 to 199 lbs., same basis.....lb. 1.00 - —

## American Society of Metals Elects F.B. Foley President

The American Society of Metals elected Francis B. Foley, superintendent of research, Midvale Company, Philadelphia, president at a meeting held recently in Chicago. Dr. H. K. Work, director of research, Jones & Laughlin Steel Corporation, Pittsburgh, was elected vice-president, and E. L. Spanagel, Rochester Gas & Electric Company, Rochester, N. Y., was named treasurer.


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# *Obituaries*

### William T. Hall

William T. "Pop" Hall, retired staff assistant of the National Association of Purchasing Agents, died October 16 at his home in Flushing, Long Island, N. Y. He was eighty-three years old. Mr. Hall had been connected with the NAPA for fifteen years prior to his retirement in 1944, and in 1924-25 had been president of the Purchasing Agents Association of New York.

### Jonas Greenebaum

Jonas Greenebaum, founder and president of J. Greenebaum Tanning Company of Chicago and Milwaukee, died at his home in Chicago on October 25. His age was sixty-two. A former director of the Tanners Council of America and American Hair and Felt Company, he established the Jonas Greenebaum Endowment at the University of Chicago for the study of tanning.

### Joseph M. Cudahy

Joseph M. Cudahy, member of the meat-packing firm and one-time president of Sinclair Refining Company, died in Chicago on October 25. He was sixty-nine years old. Mr. Cudahy had also served as president of Cudahy Packing Company and was a director of Morton Salt Company and Consolidated Edison Company.

### Elias W. Dusenberry

Elias W. Dusenberry, retired vice-president of Fairchild Brothers & Foster, manufacturer of drugs and chemicals, New York, died October 29 at his home in Bronxville, N. Y., at the age of eighty-six. Mr. Dusenberry was associated with the chemical firm for over fifty years prior to his retirement.

### Arthur L. Pulfrey

Arthur L. Pulfrey, director of personnel relations for both national and foreign plants of National Starch Product, Inc., died October 30 while on vacation in Birmingham, Ala. He was forty-four years old.

Mr. Pulfrey joined National Starch Products in 1940 after a period of employment with the Corn Products Refining Company at its Argo, Ill., plant. In 1941 he was named manager of the former organization's Dunellen office and this year was named director of personnel relations.

### Everit J. Sadler

Everit J. Sadler, retired vice-president and director of Standard Oil Company of New Jersey, died October 28 in the Touro Infirmary, New Orleans, La., at the age of sixty-eight.

A graduate of the United States Naval Academy at Annapolis, Mr. Sadler served in the Navy until 1902, when he became interested in the oil business. Prior to the first World War he was in charge of Standard's interests in Rumania. In 1930 he was named vice-president in charge of production, which position he held until his retirement in 1942.

### Herbert Turrell

Herbert Turrell, a director of the American Home Products Corporation, died October 27 at his home in West Orange, N. J. He was eighty-seven years old.

Until 1927, when it was acquired by American Home Products, Mr. Turrell was in complete executive control of the Oxzyn Company, cosmetics manufacturer. He had taken over control of the latter organization in 1908 and was its manager, treasurer and one of its directors. In 1929 he became a director of American Home Products and at the time of his death was one of its largest stockholders.

Mr. Turrell started in the drug business in 1877 as a messenger boy for Hall & Ruckel, wholesale druggists, New York. The following year he joined Reed & Carnrick, and when that organization sold its general pharmaceutical business to Parke, Davis & Co., he became a traveling representative for the new owner.

In 1935 he founded the Turrell Fund, which devotes the entire income of several million dollars to the care of needy children.

### Alexander W. Thomson

Alexander T. Thomson, who retired as secretary-treasurer of Phelps-Dodge Corporation, New York refiner, in 1936, died at his home in Warrenton, Va., of a heart ailment on October 27. A native of Scotland, Mr. Thomson was seventy-two years of age.

**Hampton Cutter,** head of a clay mining firm in Woodbridge, N. J., died at his home in that city on October 24 at the age of seventy-four. The firm, bearing his name, was founded by his grandfather.

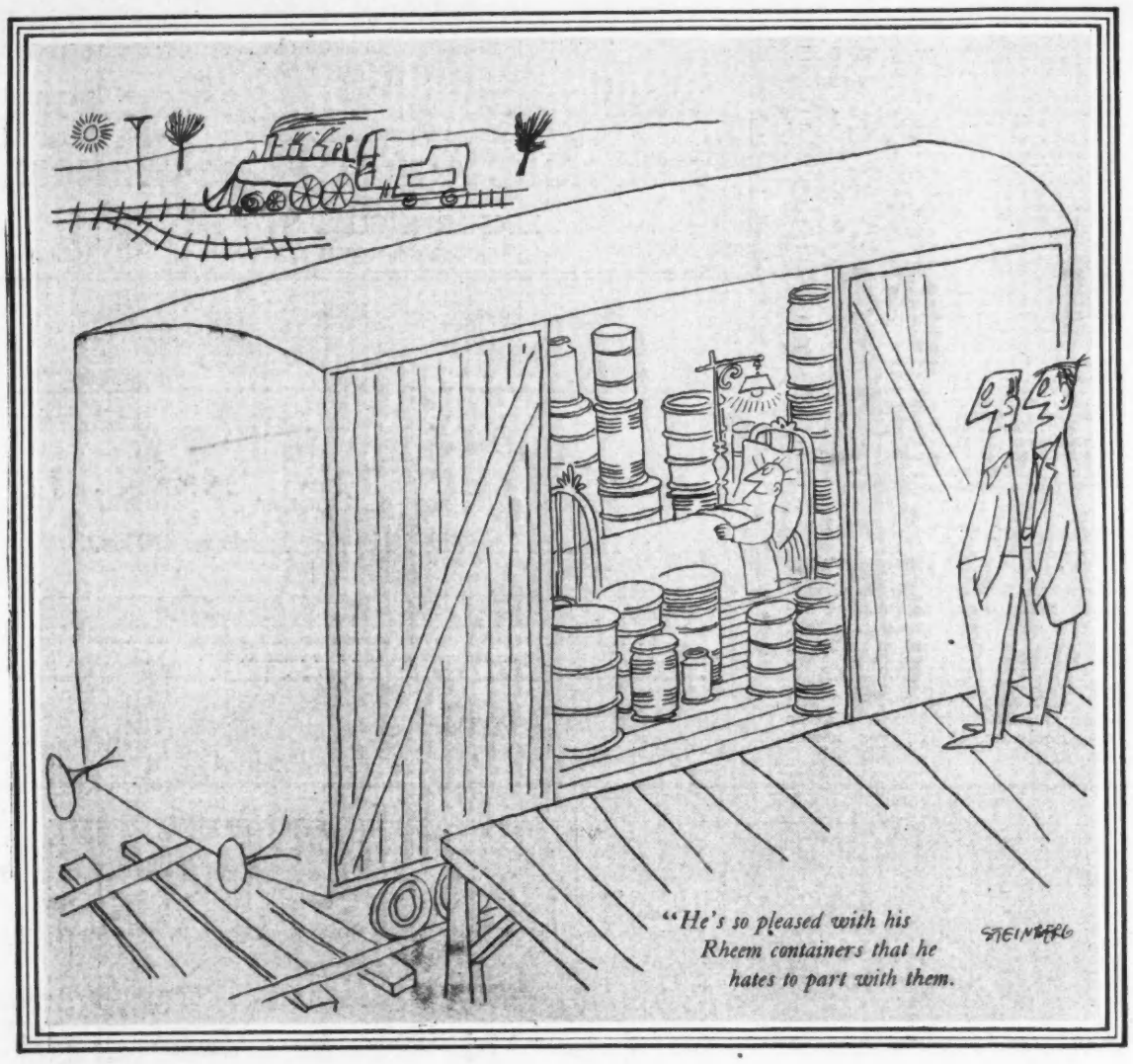
**Thomas J. Davey,** member of the staff of the Construction Division of the Standard Oil Refinery at Linden, N. J., for twenty-three years, died in Alexian Brothers Hospital, Elizabeth, N. J., on Ocober 24. He was fifty-eight years of age.

**Russell B. Reid,** retired sales manager of Lewis Asphalt Company, New York, died October 27 at his home in Englewood, N. J. He was seventy-four years of age.

**W. Sanderson Detwiler,** retired executive of Armstrong Cork Company, died at his home in Lancaster, Pa., on October 24 after a long illness. He was sixty-six years old. During the recent war Mr. Detwiler served in Washington as representative of Armstrong's munition division.

**Charles A. Smylie, III,** vice-president and secretary of National Licorice Company, Brooklyn, N. Y., died October 27 at his home in Riverside, a suburb of Greenwich, Conn., at the age of fifty-four. He was associated since 1913 with National Licorice, which was founded by his grandfather in 1870 as Young and Smylie. The name was changed in 1902.

**James H. Wilson,** retired manager of the engineering division of American Agricultural Chemical Company, died October 29 at Stamford hospital, Stamford, Conn. He was fifty-nine years old.

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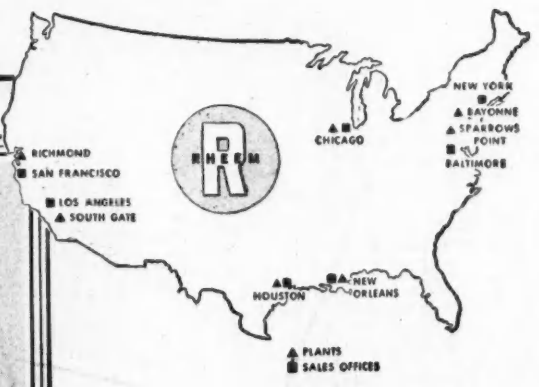


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## ACCCE Discusses

—Continued from page 7

the problems inherent in cooperative research sponsored and supported by outside agencies. They are anxious to resolve differences of view and reach an agreement among the parties concerned so that all our research resources in personnel and facilities may be fully utilized, with a proper allocation of function. Only through free and friendly discussion of the implications of the present involved situation can that end be attained."

### Industrial Research Defended

Abraham Taub, of the college of pharmacy, Columbia University, presented a weighty defense of industrial research by universities and listed five valid reasons for such work being included in the school program. He pointed out that since the university is expected to prepare men for all fields of endeavor, including industry, its research activities should not be limited.

"The university should not attempt to carry its industrial research to a point where it interferes with the educational process," Mr. Taub declared. "It should not engage in routine control work or other activity which does not add to the store of knowledge. tI should not compete unfairly bw operating its industrial research program at a cost level below that which obtains in comparable professional practice."

He added that there are conditions which, if existant, should be corrected through suggested plans for university policies, or through such means as are commonly used in professional circles and among educational leaders.

### University's Role Twofold

Another aspect of the subject was presented by Dr. Jacques Errera, of W. M. Grosvenor Laboratories, who said that the role of the university in the research picture is twofold.

"First, it must educate," he declared. "It must be the factory where are made the bachelors, masters and doctors who will carry on the nation's research and development program. This activity must be self-supporting on a high level. For this support we must look to both private and public funds. Here is an essential example of opportunity for the worthy and the diligent.

"Second, the research function which, in our opinion, must involve basic research. The world has lost the facilities of the German basic research and it is not likely they will be rebuilt. This basic research is a typical university function financed by the government."

### Primary Function of School

David Gordon, of David Gordon & Co., stated that the primary function of a university is not research at all; it is the teaching of students whose presence makes it a university as distinct from other types of institutions. He said that a secondary and related function may be fundamental research, but highly specialized commercial research was never contemplated as one of its functions by its founders, its alumni, its students or some of its faculty.

Z. G. Deutsch, of Deutsch & Loonam, felt that consultants, who depend almost entirely on profit motivated industry, should take the stand that all research is beneficial to them whether or not it is wholly or partially tax supported, or wholly or partially supported by endowment funds for educational purposes. Consequently, he said, the association should foster it and further it because it affords advantages for both the public at large and for the consultants.

### Controls Dangerous

In the floor discussion of the subject, W. F. Zimmerli said that controls always were dangerous and this was aggravated by the lack of definitions on the what, where, and how of research. It was his opinion that governmental offering of seized enemy patents for general free use was economically harmful, because "what is everybody's business is nobody's business." Johan Bjorksten condemned the practice of research by taxfree organizations which used their nonprofit earnings to promote publicity. As he saw it, such institutions would with equal logic engage in manufacturing, merchandising, or the practice of law or medicine.

### Business Session

In the business session of the association, between the dinner and the symposium, President Molnar reviewed the activities of the year, noting particularly the services of A. P. Bowers, assistant executive secretary at the headquarters. M. F. Lauro, secretary, reported that the membership had grown and the activities increased. C. A. Blair, membership chairman, reported that the net gain had been eleven, to a total of 126.

P. F. Wehmer gave an interm report as treasurer. Ralph L. Evans said that no management problems had arisen. Preston S. Millar told of the adoption by the American Standards Association of a certification of value. Abraham Taub reported progress and little to do in matters of professional welfare. President Molnar read a report by Albert Parsons Sachs for the committee on public relations in which substantial progress was noted. The consultant is still too much of a "shrinking violet," it was opined, and continued and expanded public relations work was recommended.

### Officers Elected

The annual election for officers resulted in the choice of the following:—

President, Nicholas M. Molnar, of Molnar Laboratories.

Vice-president, Abraham Taub, of Columbia College of Pharmacy.

Secretary, M. F. Lauro, of the Produce Exchange Bureau of Chemistry.

Treasurer, P. F. Wehmer, of the Electric Testing Laboratories.

Councillors (unless otherwise noted, location is New York), Robert H. Bell, Johan Bjorksten (Chicago), C. A. Blair, H. W. Dippel, Jacques Errers, G. J. Esselen (Boston), Percy E. Landolt, H. A. Kuhn (Washington), Albert Parson Sachs, H. M. Shilstone (New Orleans); H. R. Simons, Earl D. Stewart, Roger W. Truesdail (Los Angeles), Truman B. Wayne (Houston, Texas), Louis Weisberg, John M. Weiss.


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| Insolubles | trace |

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## *Textile Chemists*

*—Continued from page 7*

colors studied were affected by any electrophoresis at the electrical potential applied in this work.

2. The dyeing properties of many direct and acid colors can be materially affected by local changes of pH of the dye bath, caused by electrolysis resulting from the application of electrical current.

3. In the range of potential and current studied, there is no evidence that the pick-up of vat color pigments is appreciably affected by the action of electrical current on the charged pigment particles.

### Stripping Color from Wool

An electrolytic method of stripping color from dyed wool was described in a paper presented by the northern New England section. The advantages of the process were listed as follows:—

Dyestuffs impossible or difficult to strip by present methods are successfully stripped; the "hand" of wool so stripped is substantially as soft and resilient as unstripped wool; strength losses for woolen fabrics so stripped are under 8 percent for twenty minutes, under 10 percent for forty minutes and under 24 percent for ninety minutes; increases in elongation up to 12 percent for twenty minutes, 32 percent for forty minutes and 18 percent for ninety minutes are obtained; no objectional residual odor is noted; stripping is conducted below the boil.

Also, no pre-scouring is necessary; a constant level of reducing power is maintained throughout the duration of the strip; within practical limits the reagent may be continuously and repeatedly used, thus maintaining a low cost; samples so stripped may be satisfactorily redyed light shades.

### Usefulness of CMC

The usefulness of carboxy methyl cellulose in the wet processing of textiles was described in a paper presented by the association's midwest section. According to the paper it was of special importance as a detergent aid; a thickener or viscosity stabilizer for printing pastes; a sizing agent for warp sizing or for finishing purposes; a modifier for corn starch and other sizes; a thickener and viscosity regulator for latex and resin impregnating solutions; a retardant for vat dyeing; a lubricant for textile fibers; a stabilizing agent, and viscosity regulator for oil-in-water dispersions.

In regard to use as a detergent aid, the paper reported that experiments indicated that CMC showed a high degree of efficiency in improving the detergent properties of synthetic detergents and soap. The mode of action, the report read, is to improve the soil suspending properties of the system rather than to promote actual soil removal ability. In this respect it is superior to other thickening agents proposed for the same purpose, was the conclusion drawn. It was pointed out that the effort produced is more pronounced with the synthetics than with soap because of the inherently poorer suspending properties of the former.

### Anti-Felting Treatments

The New York section of the association reported on the investigation of five different anti-felting treatments involving the aqueous chlorination of a wool which indicated that the fastness to washness of the dyeings is generally decreased by the treatments, the effect being less with those dyes which possess greater fastness on the untreated wool. It was reported that no significant effect of the treatments on the light fastness of the dyes was observed.

The association's Peidment section reported on studies in soiling and detergency and asked that the parent body make available standard soiled fabric for the purpose of detergent evaluation. The paper pointed out that this could be extended from a single soil on one type of fabric, to a single soil on several types of fabrics or a series of soils on a series of fabrics.

The section said that in addition it may be advisable to offer a service whereby the reflectivity of the samples before and after alundering is measured by the research department of the association for a nominal fee.

### Chemical Controls

The Philadelphia section reported on the progress made in its investigation on the use of chemical controls to regulate the rate of dyeing. According to the paper practically all previous work on dyeing operations control has been done from the equilibrium standpoint, with little or no work being done on studying control of the speed of dyeing continuously from the start to the end of the operation.

"Weather Protective Treatments for Cotton Duck," were discussed in a paper presented by the southeastern section of the association. Finishes used in the study included clear resins alone; resin-bound pigments; pigments precipirated in situ, and pigments in situ after-treated with the clear resins. Resins used were methyl methacrylate, oil-modified alkyd resin and urea-formaldehyde.

The south central section of the association presented a paper reporting on the effect of urea on cellulose textiles in regard to flameproofing; mercerization and the viscosity of cellulose solutions.

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# Textile and Leather Chemicals

Active inquiry for sizing materials for domestic use and for export continued to feature the market last week. Tight supply situation in potato starch and tapioca flour was more pronounced. Active demand for these materials was unsatisfied. Production in Idaho was reported sold up for the balance of the year and small holdings in Maine were offered sparingly at higher prices. Interest in tapioca flour replacements was unabated, though business was restricted owing to light offers for shipment from Brazil. Supplies of old crop were limited and firmly held at recent advances. Corn starch and dextrin continued to move steadily into consuming channels against former contracts.

Argentina may soon be forced to start disposing of its huge stocks of hides, according to a Department of Commerce report. Reliable information indicated that storage facilities in that country are filled to capacity and this as well as the approach of summer may soon compel action on the Argentine stocks, which are estimated at 2,500,000 to 4,500,000 hides and valued at several million dollars. The report predicts that both producers and consumers, worried over resistance to higher prices and the threat to the price structure of the large Argentine stocks, will continue to refuse to accumulate any large supply of hides.

Consuming inquiry for tanning materials continued slow. Tanners interest in replacements was light and spotty and trading lacked volume. Outside of some inquiry for quebracho and wattle extracts for nearby delivery the market was dull and featureless. Tanners were said to have sizable inventories of most tanstuffs and in some instances had supplies for six to eight months' requirements. Primary markets were reported holding on a steady basis, with European buyers taking good sized quantities. Reports from Turkey stated that the government would shortly announce higher prices for shipments of valonia, because of the short crop.

Census Bureau reported that 6,767,485 bales of cotton from this year's crop were ginned prior to Oct. 18. This compares with 4,315,818 bales ginned from last year's crop to the same date last year and 3,687,715 bales from the 1945 crop for the same period that year.

## Market Trends

**Prices Advanced**

Egg albumen, 20c. per lb.

**Prices Reduced**

None

**Comparative Price Indexes**

(100=August 1, 1914)

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 378.7 | 361.9 | 340.9 | 295.8 |

*(For Current Prices see Page 9)*

## Chemicals

**Aluminum, Acetate**—Good demand absorbed good sized quantities for prompt delivery. Quotations were without change and well held.

**Bichromates**—Withdrawals against contracts continued to take the output. Market remained in a firm position. Export inquiry was keen. Resale material was in light supply. Reports from the United Kingdom indicated that there was little prospect of increasing the bichromate production in the near future because of the coal and soda ash shortage. Plants have been operating below capacity during the past year.

**Soda, Acetate**—Supplies were limited and closely held at former levels. Demand was active and market firm.

**Soda, Hydrosulphite**—Steady demand was noted against current contracts. Buying interest was fairly active for prompt and nearby requirements. Prices were well maintained.

**Sulphonated Oils**—Trading was reported as fair and mainly for actual needs. Prevailing high prices of sulphonated grades owing to the increased cost of basic oils continued to restrict business.

## Sizing Materials

**Albumen (Egg)**—This market was firmer under active inquiry and further reduction of available supplies. Prices were advanced but were nominal owing to the scarcity of offers. Edible ranged from $2.80 to $3 per pound, as to seller and buyer. Sales of small lots were reported up to $3 per pound. Some suppliers were not accepting business, except from regular customers. Technical was firmer and was quoted at $1.25 to $1.35 per pound, according to quantity.

**Albumin Blood**—Market remained steady under a good demand chiefly for prompt delivery. Prices were firm and unchanged and reflected the strength in basic materials.

**Corn Sugar**—Tanners absorbed fair sized quantities for immediate requirements. Tanners chipped sugar was well held at former quotations.

**Dextrin, Corn**—Steady consuming demand took large quantities against current orders. Production was reported sold up. Prices were firm.

**Egg, Yolk**—Trading was reported light and chiefly for prompt requirements. Supplies on the spot were limited and were well held at $1.20 to $1.25 per pound, depending upon quantity. Demand for tanner's yolk was unchanged at 5c. to 7c. per pound, as to quantity.

**Sago Flour**—Supplies on the spot were reported scarce, and were quoted nominally at 9c. per pound. Market was firm and reflected the higher cost of replacements.

**Starch, Corn**—Consuming demand continued active for prompt and nearby needs. Processors were reported operating at capacity and the production moved steadily against former orders. Quotations for all grades were unchanged and well held. Export inquiry was reported fair. Visible corn supply declined 773,000 bushels to 6,368,000 bushels for the week ended October 24, and compared with 2,472,000 bushels a year ago, it was reported by the Chicago Board of Trade. Department of Agriculture announced October 28 that it will support grower prices on 1947 crop corn at rates averaging $1.37 a bushel nationally, but expects few growers to take advantage of the program. Officials pointed out that current market prices are more than $1 a bushel above the support rates and are expected to remain far above them, at least until the 1948 crop becomes available.

**Starch, Potato**—Tight supply situation continued to restrict trading last week. Consuming inquiry was active. Offerings from producing points were limited. Idaho production was reported sold up for the balance of the year and offers from Maine were light and spotty. Prices were strong and more or less nominal. Sales were reported on the basis of 10c. per pound, paper bags, f.o.b. Maine mills. Supplies on the spot were reported small and ranged from 9.65c. to 10¾c. per pound, bags, depending upon quantity and seller.

**Tapioca Flour**—Firmness featured this market last week, consuming inquiry continued active for shipment from Brazil. Offerings were limited with some sellers out of the market in the expectation that prices will go higher. Stocks there were reported light and were closely held. Market locally was firm. Medium grades were quoted at 8.90c. to 9¼c. and higher grades at 9.90c. to 10¼c. according to quantity.

## Tanning Materials

**Chestnut Extract**—Consuming inquiry was fairly active, with tanners operating in a hand to mouth manner. Market was unchanged and steady.

**Mangrove Bark**—Consuming inquiry continued slow. Offers for shipments were quotably unchanged and were more or less nominal in the absence of trading.

**Myrobalans** — Business continued confined to an occasional lot for nearby delivery. Shipments were unchanged and reported quite steady.

**Quebracho Extract**—Trading for nearby delivery was reported spotty. Offers for shipment were moderate and well held at current levels. Arrivals of late have been limited. Tanners inventories were reported fairly heavy.

**Sumac**—Arrivals of leaf totaled 400 bales at Philadelphia last week for delivery on prior contracts. Ground, 28 percent, was quoted at $85 and leaf, 30 percent, $95 per ton ex dock.

**Tara Powder**—Imports were noted at 700 bags at New York last week and were delivered on former contracts. Offerings for shipment were reported light and firmly held.

**Valonia**—Quotations were entirely nominal and owing to the short crop, new prices for shipment were expected shortly and at higher levels. Buying interest was inactive and the market nominal.

**Wattle Extract**—Fairly active demand was reported for nearby delivery, but trading was restricted because of the scarcity of offers. Primary markets were firm at former levels. Arrivals totaled 2,714 bales of bark and 1,000 bags of extract at New York last week for delivery on former orders.

*For Late Market Developments, See Page 4*

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# Coaltar Chemicals

Steel operations declined only 0.1 percent last week under the 97.1 percent of ingot capacity the previous week which set a post-war high. Current operations for last week were set at a flat 97 percent of total ingot capacity.

The easement of several items in the coaltar chemicals market which tended to make its appearance in October, particularly of benzol and phenol, was short lived as the end of the month saw a new tightening of supplies develop. Coaltar remained virtually unchanged, at firm prices. Creosote was no longer considered a critical item, although supplies were running behind demand. The July shipments from the United Kingdom totaled some 9,306,061 imperial gallons which was the largest quantity they ever exported in a single month. Most of this came to the United States. Cresols and cresylic acid continued very tight under heavy pressure of demand from the synthetic resin and plasticizer industries.

Naphthalene and phthalic anhydride were scarce and were expected to continue so, as demand increased faster than the increased output which this year will hit a new high.

During 1948, at least two new plants capable of making several million pounds of phthalic anhydride per year will go into operation. Each plant, however, is going to operate on naphthalene of its company's own production. Accordingly, the effect on the overall availability of phthalic anhydride will not thereby be greatly enhanced, since the naphthalene used to operate these plants will be naphthalene which this year was sold to other phthalic anhydride producers. The amount of phthalic that can be produced is necessarily limited to the amount of naphthalene available. Some additional naphthalene, however, will undoubtedly be diverted to phthalic production which had previously been directed elsewhere, by virtue of the expanded production facilities. Relief is likely to come also from the direction of a reduced phthalic anhydride demand resulting from the greatly expanded production of maleic anhydride which will develop after the first of the year as a result of operations of at least two other companies in this direction.

Cyclohexylamine and dicyclohexylamine were in good demand from the dyestuffs, petroleum, and insecticidal industries.

Steel operation, according to the American Iron and Steel Institute were set at 97 percent of ingot capacity last week, equivalent to the production of 1,697,400 net tons of ingots and castings, as compared with 1,699,200 tons the previous week. One month ago the output was set at 1,651,900 tons, and one year ago at 1,575,600 net tons.

Phenyldiethanolamine which was reported the previous week to be tight was so only in some quarters, with other producers reporting that they are somewhat long on supply. Prices were unchanged.

Dichloroaniline was in a tight supply position, while dichlorophenol was short but in a less critical position. Demand for 98 percent piperidine was stronger than for the 95 percent grade, and both were generally in strong demand.

## Market Trends

**Prices Advanced**

None

**Prices Reduced**

None

**Comparative Price Indexes**

(100=August 1, 1914)

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 138.9 | 138.9 | 136.2 | 128.4 |

*(For Current Prices see Page 9)*

## Basic Products

**Benzol**—Benzol was not considered particularly short last week, although the eased supply picture of a month ago had tightened somewhat. Supply and demand were in fair balance. Prices were generally firm at 19c. to 21c. per gallon in tankcars, freight allowed up to 2c. per gallon. Most producers continued to sell at the lower level.

Some consumers of benzol were somewhat concerned about availability next year, when chemical syntheses consumption was expected to mount, and new cokeoven processes were expected to be revised to consume less fuel in steel operations. Such process revision would result in less coaltar being available for the coaltar chemical industry. This changed steel operating procedure, however, was generally felt to be slow in coming, and no cause for immediate alarm.

**Coaltar**—For the time being the coaltar picture remained unchanged. Its increased use for fuel by steel mills had not yet become significantly greater and the tight supply picture remained about the same, showing at the moment no tendency to get worse.

**Creosote**—According to the Board of Trade of the United Kingdom, the outstanding feature in the United Kingdom's July, 1947, export trade was the shipment of 9,306,061 imperial gallons of creosote. This was the largest quantity ever exported in a single month. Almost the entire export went to the United States.

Creosote prices remained in the range of 22c. to 25c. per gallon in tankcar quantities last week, while supplies continued to run short of demand. Production of domestic material continued at a high rate, which, if it were augmented by imports on the order of prewar shipments, would make the supply ample. However, in the face of current imports the domestic production is insufficient to meet the heavy demands of the wood-preserving industry and other users.

**Cresols**—Demand for cresols continued far in excess of supply, and plasticizer as well as synthetic resin producers were still hard pressed to meet the ever-existing backlog of orders for their products. Prices held firm at levels established last July, and no immediate change was contemplated.

**Cresylic Acid**—Some 1,418 drums of cresylic acid were imported from London. Imports in recent months have been very poor, averaging less than half of the amounts which came in earlier in the year.

Domestic production continued far short of demand, with prices firm at current levels established last July.

**Naphthalene**—Prices of naphthalene held firm at levels established at the mid-year, and the feeling was expressed in some quarters that the price would remain at these levels for some time to come. The scarce supply of naphthalene, despite increased production this year, remained short. Unless the output of this basic material can be stepped up, the pressure on naphthalene next year will be considerably increased, due to expanded phthalic anhydride production facilities.

Refined naphthalene, meanwhile, continued in a state of ready availability, with prompt shipment of spot orders.

**Phenol**—The slightly eased condition of weeks recently has virtually played itself out, and a new tightening of the market has taken place. Supplies were, accordingly, the phenol market which persisted for some everywhere reported to be short last week under stress of heavy demand. Prices held firm in the range of 10½c. to 11½c. per pound in tankcar quantities.

**Pyridine**—Demand for industrial pyridine continued strong last week against conditions of short supply and firm prices.

**Toluol**—The prevailing market which in recent weeks has tightened somewhat, remained in that condition due to heavy demand on the nitration grade and other pure grades for chemical syntheses, and the expanding demand in the lower grades for solvent purposes. The chemical uses were largely those created by the unprecedented operations of the dyestuffs and explosive industries as well as for the production of other chemicals such as those derived from the chlorotoluenes. The protective coatings industry was accounting for increasing amounts of toluol consumption and greater demands for synthetic resins which in turn use large quantities of toluene as a solvent for such resinous materials as the shorter oil length alkyds, ureaformaldehyde and melamine resin solutions.

**Xylol**—Despite the heavy demand for this item, supplies from all sources were reputed to be sufficient to meet the overall demand. Most xylol was going into solvent uses particularly in the field of protective coatings and synthetic resins where the faster evaporation of toluol and benzol were

## *Coke By-Products*

Estimate of by-product cokeoven operations in the week ended October 25 indicate the following output of by-products from that source:—

| | | |
|---|---|---|
| Ammonia liquid $NH_3$ | lbs. | 1,189,960 |
| Ammonia sulphate | lbs. | 30,813,714 |
| Benzol | gals. | 3,883,029 |
| Coaltar | gals. | 14,395,785 |
| Creosote oil | gals. | 801,657 |
| Naphthalene, crude | lbs. | 1,923,936 |
| Phenol | lbs. | 215,466 |
| Toluol | gals. | 776,095 |
| Xylol | gals. | 175,362 |

*For Late Market Developments, See Page 4*

GRADES: Resublimed; C. P. Crystals
CONTAINERS: Fibre drums containing 100 lbs. net
SHIPPING POINT: Petrolia, Pa.

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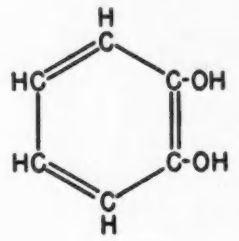


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not required. Prices held firm at 25c. per gallon, tankcars, and the usual drum differentials prevailed.

## Intermediates

**Cresols, Refined**—Refined materials of the type supplied within a two degree Centigrade range were very tight. Orthocresol melting at 30 to 31 degrees Centigrade and used in the manufacture of chemicals and dyestuffs was under heavy demand with supply being very short. Metacresol of better than 98 percent purity, melting at 10½ to 12 degrees Centigrade, was under demand for the manufacture of synthetic perfumes and nitrated derivatives. Supply was quite limited. Paracresol of the pure type melting at 34½ degrees Centigrade was indeed scarce due to the heavy demand from the dyestuffs industry.

**Cyclohexylamine** — Demand for this product was generally described as good from several sources, particularly from the dyestuffs industry where it is used as an intermediate, and for the synthesis of other organic chemicals. The petroleum industry was reported to be using it as an oil additive, and further uses were in such fields as water treatment where cyclohexylamine found use as a component for boiler water treatments and as a component of corrosion inhibitors. Prices were steady and drum quantities were quoted at 32c. per pound. Availability in view of the demands could not be described as better than moderate. Supplies and demand tended to fluctuate, making the market alternately eased and tight, with the situation at the moment being fair, subject to immediate change.

**Dichloroanilin**—Supplies of 2,5-dichloroanilin were reported to be very tight as demand for this chemical in the manufacture of azo dyestuffs exceeded the available supply. Prices were firm in the range of 65c. per pound in drum quantities at the factory. This intermediate, in line with all the chlorinated derivatives of anilin has been in short supply for some months, and no immediate relief was expected. This situation was due in part to the chlorine shortage and due also to the extremely heavy demand stemming from the all time high operations of the dyestuffs industry.

**Dichlorophenol**—This chlorinated phenolic dyestuffs intermediate was under somewhat less pressure of demand, permitting production schedules for this chemical to more nearly keep up with orders. Affected, of course, by the chlorine shortage, as well as the tight market situation prevailing on phenol, availability was far from free and at best could only be described as moderately available. Prices remained unchanged in the range of 26c. per pound in drum quantities, freight equalized.

**Dicyclohexylamine** — This chemical was under demand from the oil industry as an additive and as an intermediate used in the manufacture of insecticides. The supply picture could be described as moderate but limited. Prices were set at 38 cents per pound for drum quantities at the factory.

**Dinitroanilin**—This chemical intermediate was reported as being quite short. Inventories were virtually non-existant as the material was being shipped as rapidly as produced, presenting an over-all picture of little availability but still essentially non-critical. Prices were firm in the range of 50 cents per pound in drum quantities.

**Maleic Anhydride** — Percentagewise, the supply of maleic anhydride was set for a boost following the first of the year when two major chemical companies will get into production early in the year. While their output will be quite significant in volume, this situation is of not much help to the buyer looking for prompt delivery, because against this new output orders have been placed which are reported to be sufficient to consume the output for sometime. The backlog of demand for maleic anhydride was quite large, even from the standpoint of old established uses awaiting expansion, to say nothing of the many new uses to which a good supply could be immediately put. Prices were holding firm.

**Phthalic Anhydride**—Prices of phthalic were expected to remain at the same level as has prevailed in recent weeks. Supplies were still everywhere short. Next year it was expected that at least three new plants will come into operation producing phthalic anhydride in quantities amounting to several million pounds. There was, however, considerable question in the minds of many as to the overall total tonnage which this production will increase next year's output over this year. The picture will certainly not be additive, since a good part of this increased production will be made by companies who produce their own naphthalene from which the phthalic anhydride will be made. This simply means that the naphthalene produced by these companies will be used by them to make their own phthalic anhydride instead of being sold to other

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phthalic anhydride producers for the same purpose. That some relief, however, will be afforded to phthalic anhydride consumers is certain because, with increased phthalic anhydride production capacity, more of the available naphthalene supply will be converted to phthalic anhydride. In addition, the overall production of naphthalene increased appreciably this year, over last year, and a still greater increase in the production of naphthalene is logically forecast for next year.

**P peridine**—Demand for piperidine, hexahydropyridine, was strong from the pharmaceutical industry, as well as from the germicidal and wetting agent manufacturers. In greatest demand was the 98 percent grade. Prices held firm at $1.50 per pound for the 95 percent grade, and $1.60 per pound for the 98 percent grade. Supplies were short creating a very tight market condition.

**Toluenesulphonic Acid**—This chemical intermediate used in the manufacture of dyestuffs and as a catalyst in certain organic syntheses was in strong demand. Raw materials entering into its manufacture were readily available, but the availability of the sulphonic intermediate itself was not too free. Prices were set at 20 cents per pound in drum quantities at the factory.

**Tricresyl Phosphate**—This plasticizer was under heavy demand from the protective coating and synthetic resin industries. Supplies were short, primarily because of the cresylic acid shortage, and producers were hard pressed to cope with incoming orders which were on the increase by virtue of increased demand for lacquers and synthetic resins. Prices were firm.

## Hoover Elected Director

W. H. Hoover, a vice-president and general counsel of the Anaconda Copper Mining Company, was elected a director at a meeting of the board of directors held in New York last week.

### General Aniline Honors Crowther

General Aniline & Film Corporation, New York recently honored John Crowther, head of its order, pricing and shipping department, on the occasion of his fiftieth anniversary in the dyestuff industry. Mr. Crowther started in 1897 with Farben Fabriken of Elberfeld, predecessor of General Aniline, when the dyestuff industry in this country was practically non-existent and depended almost entirely on imports, and has aided in its growth to its present position.

## *Trade Briefs*

**Phillips Petroleum** Company, Bartlesville, Okla, plans to offer 1,000,000 additional shares of common stock to its stockholders of record on or about November 17, on the basis of one share for every five held. The price of the additional stock will be determined later.

**Sinclair Oil** Corporation, New York, announced that its daily net crude oil production hit a new all-time high of 89,332 barrels daily during the week ended October 18. This compares with 87,198 barrels daily the previous week and 75,428 barrels during the corresponding week of 1946. Production in Venezuela is not included in these figures.


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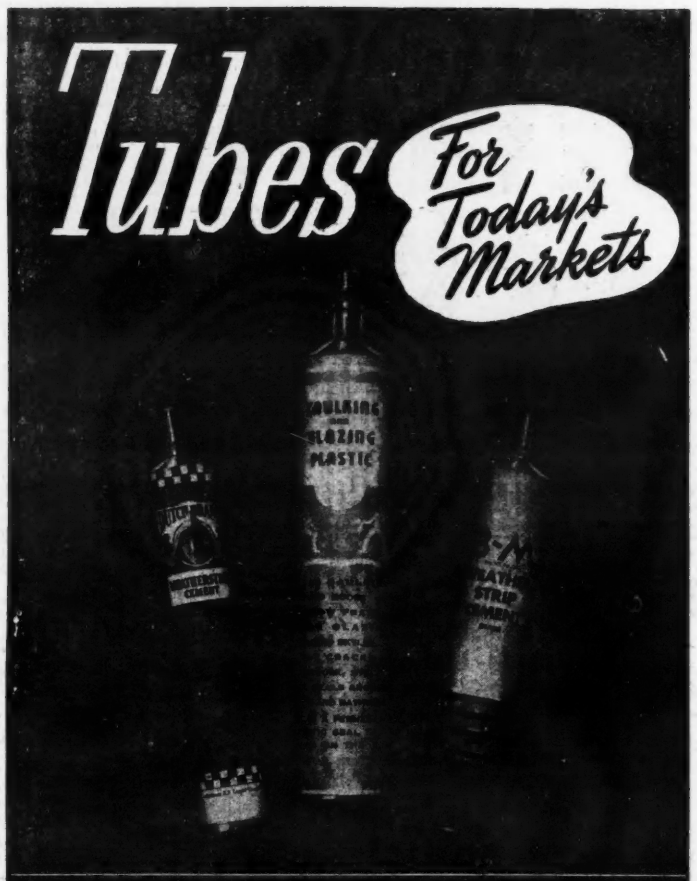

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# Agricultural Chemicals

Demand for most of the basic chemicals has been sustained at a high level. It was thought that the increase in steel production might ease the supply of ammonium sulphate, but demand has mounted so far ahead of production that no relief is in sight, in fact there are suppliers who do not look for any improvement in buying conditions over 1948. No increase could be noted in the supply of boxcars for moving the potash output. There is only about enough cars to meet one-third of the requirements, while demand for muriate is exceedingly heavy. Many mixers and other consumers of potash have been brought to a realization of prevailing transportation difficulties, and complaints over delayed shipments have been tempered to some extent. Superphosphate is definitely short in the eastern area with triple practically out of the market so far as additional new business is concerned. There is more demand for ammonium nitrate and cyanamide than can be satisfied at present Sodium nitrate continued relatively quiet during the past month, with sales of seasonal dimensions noted.

Dried blood prices were lower in Chicago, but unchanged in New York. Sales of tankage were reported at lower figures. Feeders have not been as active in these markets as they were a month ago. Fish meal offerings were limited with prices firm, and the situation was similar in bone meal with some producers of raw bone meal entirely sold out for the remainder of the year. In the insecticide market, producers of arsenicals may not register capacity until February as a result of the shortage and high prices prevailing for crude materials. Benzene hexachloride has registered an increase in production for the eighth consecutive month.

Phosphatic fertilizer materials: bone ash, dust and meal, together with lead arsenate, have been removed from the positive list and placed on general license for exportation to all destinations in country group K.

## Nitrogenates

**Ammonium Sulphate**—Supply conditions revealed no trace of improvement at the close of October. The increase in steel production was expected to be reflected in stocks of ammonium sulphate but such was not the case because demand is too far in excess of supply. Producers are heavily sold ahead at $35 to $38 per ton and it was stated there are additional buyers who would pay the outside price readily if they could secure the material.

**Bone Meal**—Buying interest has continued steady with prices firm. Sales of the steamed grade have been made for feed and fertilizer uses but the scarcity of raw bone meal has restricted trading. It was stated that output of this grade has been sold ahead with some producers out of the market until January.

**Dried Blood**—Relaxation of buying interest from feeders was reflected in quiet trading. Some sales were reported at $10 per unit of ammonia locally while Chicago was lower at $9.50. Importations of 795 bags from South America were noted during the week.

**Fish Meal**—Prices have continued steady under limited offerings. Buying interest was not as active as noted early in October but was of sufficient dimensions to absorb available stocks at former selling levels.

**Hoof Meal**—Quiet with buyers showing no inclination to operate at the present time. The market was nominally quoted at $8.50 per unit of ammonia.

**Sodium Nitrate**—Consuming demand has remained at the usual dimensions incident to the off season. Imported nitrate is coming in from Chile on schedule time and is meeting requirements as they develop. Farmers are taking some material and storing it for future use but there has been no unusual trading of this character during the past month.

**Tankage**—Downward tendency of the market continued with sales reported at $10 per unit of ammonia both here and at Chicago. This price compares with the high level of $12 registered at the close of September. Importations last week included 2,027 bags of tankage and 6,454 greaves cakes from South America.

## Phosphates

**Phosphate Rock**—Market conditions were definitely tight at the close of October with demand exceedingly heavy from acidulators. Producers have been constantly under pressure for shipments and the movement from mines has been irregular and regulated by the number of boxcars made available. At intervals the shortage of transportation facilities was serious and the month was spotted by periods of acute shortages and easements but never normal.

**Superphosphate**—Demand has been sustained at a high enough level to hold the market in the eastern area tight for normal material. Triple has remained in exceedingly short supply with current demand many times greater than actual production. The local market was practically bare of this grade at the close of the month.

## Potashes

No noticeable improvement could be noted in the supply of boxcars. It was stated that producers of potash are receiving about one-third of their requirements and no important relief appears to be in sight until the railroads have completed moving the grain crop. Many fertilizer mixers and other consumers have realized conditions prevailing and have made temporary adjustments in their plant operations. It is hoped this critical situation will be over by the first of the year.

Official advices from Hamburg state that in July, 1947, German potash was shipped to Argentina for the first time in the postwar period, according to the statistical report issued at that city.

## Insecticides

According to some manufacturers, production of the major arsenicals may be delayed until February as a result of the uncertain market conditions surrounding white arsenic and lead. The continued shortage of stocks and the relatively high prices named for imported arsenic are factors being given serious consideration at the present time. Prospects for a free supply of benzene hexachloride are not so encouraging. Producers state that output is just about meeting requirements in the off season and that expansion may have to take place to cover wants when seasonal buying develops in the period from February to October. Heavy shipments of copper sulphate continue to be made to the West with a gradual increase noted to Florida.

**Chlordane**—In a series of large plot experimental tests in Florida with a number of insecticides for the control of the serpentine leaf miner, chlordane is reported to have been the most effective. The detailed report advises that chlordane may be combined with copper fungicide and that for late blight control chlordane sprays should be combined with dithane.

**Cube Root**—In the first 6 months of 1947, Peruvian exports of cube totaled 3,603 metric tons, worth approximately $1,271,000. Almost the entire amount went to the United States. The Peruvian market is now in a confused state. United States importers are reported not to be buying and growers are canceling plans for larger production. However, some reports indicate that United States buying is seasonally slow and awaits a downward price readjustment which producers are reluctant to make.

**Pyrethrum**—The future of pyrethrum is a matter of concern in Kenya, according to the foreign press. Some farmers are said to be reducing acreage and retaining only high-toxic plants. Under the agreement with the British Ministry of Supply prices are guaranteed through December, 1947.

**Benzene Hexachloride** — Production in August was placed at 787,836 pounds by the Chemical Division of the Department of Commerce. July production was 599,099 pounds and 147,833 pounds in January.

## Sulphur and Pyrites

Stocks of sulphur have remained at a level to meet a heavy industrial demand although transportation facilities have not always proved adequate to move material from supply sources promptly. The market is quoted firm at the recently advanced selling level. Pyrites has found a steady outlet through contract channels. No new arrivals of Spanish material were recorded.

*For Late Market Developments, See Page 4*

### *Market Trends*

**Prices Advanced**

None

**Prices Reduced**

Tankage, 50c. per unit of ammonia.

**Comparative Price Indexes**

(100=August 1, 1914)

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 72.5 | 72.5 | 71.9 | 72.1 |

*(For Current Prices see Page 9)*

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# Drugs and Fine Chemicals

Castor beans were reported arriving at the Brazilian shipping ports from the interior and greater availability of the article at the origin aided in driving replacement prices on beans to a new low level for the current recessions in quotations on goods to come forward. The development was one of the price features in the drug and fine chemical market last week. The other was a resolution of the recent uncertainty as to spot prices on menthol into higher quotations by the close of the period. The lowering of castor bean prices at the source found no reflection here in the schedule on castor oil. On Thursday, producers of codeine and morphine salts advanced prices sharply.

During the period, the United States Tariff Commission released its latest statistical data on production of some specified synthetic organic chemicals. Although numerous materials were produced in larger quantities last August, as compared with their production in July, the over-all summary of production showed that the manufacture of sixteen synthetic organic chemicals in August totaled less than in July. Total production of these chemicals in August reached 165,542,652 pounds, which compared with the July total of 171,317,222 pounds.

There was larger production of acetylsalicylic acid, amyl acetate, butyl alcohol, ethyl acetate, ethyl ether, and ethyleneglycol. Smaller production was noted in acetanilide, acetone, formaldehyde, synthetic methanol, niacin and niacinamide, phenobarbital, sulphathiazole and all other sulpha drugs, and thiamine hydrochloride. Detailed production figures appear in subsequent market paragraphs.

All consumers of boric acid and borax will pay higher prices on November 1; some of them are already being invoiced at the higher prices made necessary by the last rise in freight rates. Solvents appeared to be gaining strength, especially those related to ethyl alcohol, the prices for which were advanced substantially during the previous trading period. That rise made numerous products likely, if not definitely, subject to a price increase, possibly at an early date.

**Acetanilide**—The market in major quarters held very firm and the presence of some price shading was without effect on the manufacturers' views on the market which, for some time past, has not been substantially supplied in excess of requirements. August production totaled 434,895 pounds, a decrease from July output of 563,089 pounds, according to the U. S. Tariff Commission.

**Acetone**—August production dropped substantially from that in July, according to the latest data provided by the U. S. Tariff Commission. The August total was 36,023,949 pounds; that of July was 39,137,918 pounds.

**Acid, Acetylsalicylic**—Demand continued seasonally active and kept unsold reserves down to a conservative inventory held by producers. August production increased to 1,125,609 pounds from the July output of 998,332 pounds, according to the U. S. Tariff Commission.

**Acid, Ascorbic**—The U. S. Tariff Commission release on production of specified synthetic organic chemicals failed to provide production figures for August. Those for June and July had also been omitted without explanation. Production from January through May had been as follows: January, 90,208 pounds; February, 82,113 pounds; March, 102,063 pounds; April, 93,350 pounds; May, 70,554 pounds.

**Acid, Boric**—Higher prices for less than carlot quantities as of November 1 in one quarter will raise the quotations $2.50 per ton. In another direction, a rise of $2.20 per ton has been put into effect already. A rise in carlot prices will also take place to the extent that freight rates were recently upped. On the total increase in rates since July 1, 1946, allowance to the extent of the rates effective prior to that date will be made buyers. Increases since then are for buyers account, according to contract provisions.

**Acid, Camphoric**—Substantial stability has governed prices over a considerable period of time and conditions now prevailing do not suggest an early change in that aspect of the market. Demand was strictly routine last week and usually engaged small quantities.

**Acid, Gallic**—The market was exceptionally steady. Buyers took deliveries about as wanted. However, surplus stocks were limited to a substantial extent and sellers therefore took a very firm view on quotations prevailing for some time past.

## *Market Trends*

**Prices Advanced**

Codeine alkaloid, $1.55 per oz.
hydrochloride, $11.85 per oz.
phosphate, $1.25 per oz.
sulphate, $1.25 per oz.
Ethylmorphine hydrochloride, $1.35 per oz.
Menthol, 10c. per lb.
Milk powder, skimmed, roller, ½c. per lb.
spray, ½c. per lb.
whole, spray, ¼c. per lb.
Morphine alkaloid, $1.50 per oz.
acetate, $1.10 per oz.
hydrobromide, $1.10 per oz.
hydrochloride, $1.15 per oz.
sulphate, $1.15 per oz.
Silver nitrate, ¾c. per oz.

**Prices Reduced**

Castor beans, $10 per long ton.

**Comparative Price Indexes**

(100=August 1, 1914)

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 256.4 | 256.1 | 255.8 | 244.6 |

*(For Current Prices see Page 9)*

**Acid, Mandelic**—Day to day demand was mainly for jobbing quantities which were supplied from stocks of ample size and capable of caring for a much larger requirement on the part of consumers.

**Alcohol**—The new and higher quotations prevailed in a market that has shown a sharp development of strength over the past several weeks during which the principal raw material, blackstrap molasses, has been bought by distillers at steadily rising prices.

Production of ethyl, completely denatured, and specially denatured alcohols in August showed increases over that in July, according to latest data supplied by the Alcohol Tax Unit. Offsetting this in some measure was the general increase in withdrawals in August over those in July. Because of the excellence of consumption, stocks at the end of August were lower than they had been on July 31.

The following data on alcohol were released October 8 by the alcohol tax unit, Bureau of Internal Revenue, Treasury Department, on supply, production, withdrawals, and stocks of ethyl, completely denatured and specially denatured alcohol during the month of September, 1947, in comparison with September, 1946:—

**Production**

| | Proof gallons | |
|---|---|---|
| | 1947 | 1946 |
| Ethyl | 29,905,611 | 17,866,676 |
| *Completely denatured | 6,448,639 | 4,816,233 |
| *Specially denatured | 12,161,849 | 11,186,485 |

**Withdrawals**

| | Wine gallons | |
|---|---|---|
| | 1947 | 1946 |
| †Ethyl, tax paid | 3,201,300 | 4,366,769 |
| tax free | 20,426,271 | 29,463,508 |
| *Completely denatured | 6,494,969 | 4,778,033 |
| *Specially denatured | 12,222,576 | 14,163,514 |

**Stocks**

| | Gallons | |
|---|---|---|
| | 1947 | 1946 |
| †Ethyl | 24,408,502 | 72,370,240 |
| *Completely denatured | 177,837 | 119,784 |
| *Specially denatured | 1,268,795 | 5,011,396 |

* Wine gallons, † Proof gallons.

According to the Alcohol Tax Unit, materials used in industrial alcohol plants in the Septembers of 1947 and 1946 were as follows:—

| | Pounds | |
|---|---|---|
| | 1947 | 1946 |
| Corn and corn products | 3,976,047 | 11,246,353 |
| Rye and rye products | 144,724 | ..... |
| Malt and malt products | 3,986,650 | 4,757,592 |
| Wheat and wheat products | 4,387,221 | 63,152 |
| Sorghum grain and sorghum grain products | 17,694,939 | 689,350 |
| Other grain | ..... | ..... |
| Total | 30,189,581 | 16,856,447 |
| Potatoes and potato products | 58,374,530 | 107,666,400 |
| Cassava and cassava products | ..... | 193,370 |
| Other materials | 86,330 | 323,067 |
| | Wine gallons | |
| Molasses | 17,362,166 | 5,504,095 |
| Ethyl sulphate | 9,024,816 | 7,883,830 |
| Sulphite liquors | 20,074,730 | 16,810,900 |
| Potato products | 4,059 | 221,609 |
| Wood sugar liquors | ..... | ..... |
| Other materials | 1,350,453 | 1,609,977 |
| | Proof gallons | |
| Products used in redistillation | 2,110,190 | 7,609,325 |

**Amyl Acetate**—The tight supply situation was unrelieved. Production was under consuming requirements and the manufacturers find it difficult to make much of a dent on the substantial backlog of needs that exist among manufacturing consumers. August production increased to 1,207,434 pounds from the July output at 1,087,444 pounds, according to the U. S. Tariff Commission.

**Atropine**—Business was routine but the quantities moving to buyers was up to expectations and contributed added firmness to prices setup not so long ago when they were advanced. One former importer intimated last week that normality in atropine prices must wait until foreign production again becomes competitive here.

**Borax**—One quarter has already raised less than carlot prices $2.20 per ton and another will advance them on November 1 by $2.50. Carlot prices also will become higher on November 1 to the extent of

*For Late Market Developments, See Page 4*

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the recent advance in carlot freight rates. Prior to July 1, 1946, contracts were on a freight allowed basis. Subsequent to that date, they went onto a works basis, freight allowed to the extent of freight rates prevailing prior to July 1, 1946, but any advances in freight rates after that date to be for buyers account. The freight rates prevailing prior to July 1, 1946, are still allowed but the latest hike in rates is now being passed to buyers in accordance with contract terms.

**Butyl Alcohol**—According to the latest data provided by the U. S. Tariff Commission, August production increased to 12,652,412 pounds from the July output figure at 11,847,240 pounds.

Price stability still continued in this market, as it also did in the quotations on butyl acetate. Demand was said to be steady and well up to the volume current in recent weeks. Some varieties of the material have, in fact, become rather short in supply because of the raw material situation.

**Castor Oil**—Cables from the Brazilian market report last sales made at $195 per long ton, f.o.b. Brazilian ports. In local circles, buyers' ideas are now about $190 per long ton, same terms. It was said locally that the crop is moving down to the sea ports and the article has developed greater availability of late.

Importations of castor beans last week totaled 41,298 bags, or 6,194,700 pounds, comparing with 37,383 bags, or 5,607,450 pounds, in the previous week, and 5,917 bags, or 887,550 pounds in the corresponding week, 1946.

Total importations since January 1 this year reached 1,299,761 bags, or 184,964,150 pounds, against 1,094,366 bags, or 164,154,900 pounds arrived during the corresponding period, 1946.

**Chloroform**—The current requirements of technical material were moderate in size last week. Shipments were about level with the recent movement into consumption but they lacked a trend toward increase. Production costs were very firm and hence the price position of both technical and USP chloroform was well maintained.

**Codliver Oil**—No further arrivals of oil were reported last week but more merchandise was said to be under engagement to come forward in the nearby future. Movement out of spot stocks was seasonal and in good sized volume, especial interest being shown in high test oil for medicinal purposes. Reports from abroad revealed market holding firm there under strict control of prices in most instances.

**Codeine**—Because of the rising cost of production based on the current prices being paid for raw material, quotations on all codeine salts were advanced last Thursday to the following basis:—Alkaloid, $13.25 per ounce; hydrochloride, $11.85; phosphate, $10.25, and sulphate, $10.75.

**Corn Syrup**—Quotations on 42 degree syrup in barrel packing were $7.23 per 100 pounds in carlot quantitfes and $7.28 in less than carlot amounts. Moderate reactions in the price for raw material were without effect on the prices for syrup. Demand was good. Supply was under some curtailment connected with raw materials.

**Cream of Tartar**—Spanish production was offered here at prices shading those for goods of domestic manufacture. Domestic production was said to care well for the current requirements of buyers and the movement was not only steady but also substantial in size. Recent rise in raw material costs gave prices a firmer undertone.

**Creosote** — The market was somewhat quieter last week. Unseasonable weather has contributed to a moderate shrinkage in the call for prompt delivery goods. However, recent movements have created fair reserve stocks among the numerous dis-

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**Ephedrine** — Business taken in recent weeks has placed future production well under engagement and further booking of orders will likely involve some delay in deliveries. The business has been seasonal in character and done on the basis of well stabilized prices.

**Eserine**—Stocks were moderate. So was demand. Production conformed to the availability of raw material. The market lacked the elements making for competition and, in fact, most sellers were moderately reserved in their offerings made during the past week.

**Ethyl Acetate**—According to the latest report made by the U. S. Tariff Commission, August production of this material rose to 5,899,025 pounds from the July total of 5,821,503 pounds. The market has strengthened of late and some reports suggested that somewhat higher prices might develop in the not too far distant future because of production cost having a rising trend at this time.

**Ethyl Ether**—Production of this material last August decreased to 2,611,072 pounds from the July total output of 3,409,046 pounds, according to the U. S. Tariff Commission. The shrinkage in output was accompanied by very good demand and a tendency of production costs to rise because of the raw material situation.

**Ethyleneglycol**—Technical users of this article were liberal takers of the production as offered last week by the producers. The market was fundamentally firm in all aspects. August production showed an increase to 20,358,381 pounds from the July output of 19,923,468 pounds, which was in keeping with the rise of seasonal needs.

**Ethylmorphine Hydrochloride**—Rising production costs because of prevailing prices for raw material resulted last Thursday in an advance of prices for this material to the basis of $11.85 per ounce.

**Fishliver Oils**—Fairly good trading was reported in the an Francisco market. Supplies good. Vitamin A Oils, including the 1894 conversion factor, in all potencies, was as follows:—8,000 to 15,000 unit oil, 14½c. to 15c. per million units; 15,000 to 30,000, 16c.; 30,000 to 60,000, 17c. to 18c.; 60,000 to 100,000, 2c. to 22c.; 100,000 to 150,000, 25c. to 26c.; 150,000 to 200,000, 26c. to 28c.; concentrates, 500,000, 33c. to 34c., and a million units, 38c.

**Formaldehyde**—The market was active in absorbing available supplies and the outlook for excellent business in the future was considered to be favorable at well maintained prices. Production last August underwent a rather sharp drop to 38,719,233 pounds from the July total of 40,884,258 pounds, according to the U. S. Tariff Commission.

**Glycerin**—From information offered last week by some forced to trade in the resale market for this material, it was learned that said resale prices exceed by a substantial degree the quotations official with the producers of this article as a byproduct of soap making. The premium was about 5c. per pound over producers' figures. Although production of synthetic material at a Texas point is projected, at this time the competition between such production and that of glycerin refiners working from the byproducts of soap-making remains potential, but it also has a tempering influence on developments in the market for the "natural" product.

Provision for the replacement of glycerin by propyleneglycol has been dropped from the first supplement, official from November 1, 1947, to the eighth edition of the National Formulary.

**Iodine and Iodides**—Crude iodine was apparently firmly held in price and occupied a well stabilized position last week. Consumption was along lines normal for the article and in keeping with the steady movements of major iodides during recent times.

**Menthol**—The slight unsettlement and indetermination in market prices noted during the previous trading period resolved itself last week and quotations came out in a firm basis at $8.85 to $8.95 per pound. However, the price was subject to early shifting in keeping with the current flow of demand, or the lack of it. No definite information as to further allotments of Japanese stocks has come to hand but at the moment further quotas are not expected to be substantial in size. Much will depend on the ability of other countries to absorb the merchandise.

**Methanol**—Supply and demand were in close alignment with needs being slightly ahead of the prompt availability of material. Production of synthetic material last August decreased to 44,542,406 pounds from

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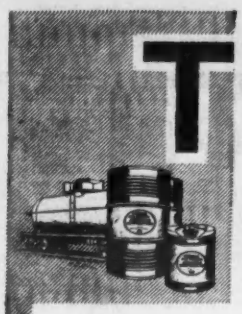

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the July total at 45,015,671 pounds. Production of natural methanol in August increased to 1,291,640 pounds from the July total at 1,170,008 pounds. The figures are those of the U. S. Tariff Commission.

**Morphine**—A higher schedule on all morphine salts was announced last Thursday by the manufacturers of opium derivatives. The new price schedule reflects the rising cost of production and was established as follows:—Alkaloid, $12.40 per ounce; acetate, $9.90; hydrobromide, $9.80; hydrochloride, $9.90, and sulphate, $9.90.

**Penicillin**—Production last week rose to 3,228,667 million units from the July output at 2,678,837 million units, according to the U. S. Tariff Commission.

**Phenobarbital**—Most sellers were moderately reserved and some former suppliers no longer offered prompt deliveries of this material. August production decreased sharply to 30,711 pounds from the July figure at 44,780 pounds, according to latest data supplied by the U. S. Tariff Commission.

**Pyridoxin Hydrochloride** — August production totaled 885 pounds but the latest data supplied by the U. S. Tariff Commission gave no comparative total July production. In June, production had been 1,195 pounds.

**Streptomycin** — August production at 874,435 grams was a decrease from July output at 1,060,753 grams, by authority of the U. S. Tariff Commission.

**Sulpha Drugs**—Production of sulphathiazole in August dropped to 208,268 pounds from the July total of 263,543 pounds. Production of all other sulpha drugs in August reached the reduced total of 259,525 pounds from the July combined total at 382,621 pounds. Figures are those of the U. S. Tariff Commission.

**Thiamine Hydrochloride**—August production dropped abruptly and sharply to 7,131 pounds from the July peak of 14,634 pounds, according to the U. S. Tariff Commission.

## Turkey Reduces Import Duty On Certain Pharmaceuticals

The government of Turkey has reclassified a number of pharmaceuticals from the list of second class to that of third class medical preparations, thereby reducing the import duty from 25 percent to 5 percent ad valorem. Included on the list are vitamin and hormone preparations, calcium, sulfonamides, and preparations for the treatment of the liver.

## *Trade Briefs*

**Cornelius C. Felton,** vice-president and assistant to the chairman of the board of Revere Copper and Brass, Inc., New York, has been elected a director of the company.

**Organic Chemicals** has been incorporated in Los Angeles, Calif., with a capital of $75,000. Directors of the new corporation are William P. Martin, Katherine Hall and Edward C. Freutel, jr., all of that city.

## Cincinnati Drug Club Elects Luckett President

Forrest M. Luckett, manager of the organic chemical division of the Monsanto Chemical Company, has been elected president of the recently organized Cincinnati Drug and Chemical Association. Other officers elected are:—R. J. Spatta, district manager of the Merchants Chemical Company, vice-president; Walter M. Eller, of Fritzsche Brothers, Inc., secretary, and Frank D. Nowland, of George H. Nowland Company, treasurer.


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## Nicotine Recovery Study To Be Made by USDA

*OPD Washington Bureau*

The shortage of nicotine during the past several years and the probable continuance of this shortage has caused the Department of Agriculture to undertake a long-time project under the research and marketing act to recover nicotine from *Nicotiana rustica*, the wild tobacco plant that was found here when this country was discovered.

Laboratory research during the past year on the extraction of nicotine from this wild plant is reported to be so encouraging that it has been decided to evaluate the results on a pilot plant scale. This research will be carried on at the department's Philadelphia laboratory, and will investigate other species and strains of tobacco as well.

The program calls for research on the recovery of nicotine from the green tobacco plants, as well as from dried material. The department said that a method that would enable the nicotine to be extracted from the green plants might be of considerable economic importance since it might eliminate the time and trouble involved in drying.

## American Bio-Synthetics Corp. Elects Pinkalla President

American Bio-Synthetics Corporation, fine chemical manufacturer, Milwaukee, Wisc., has elected H. A. Pinkalla president, and Mrs. E. H. Pinkalla, secretary-treasurer. Mr. Pinkalla, who recently purchased a controlling interest in the company, has announced that new equipment now being installed with greatly increase the organization's capacity for the production of synthetic estrogens and fine chemicals.

## *Trade Briefs*

**Planters Nut** and Chocolate Company, Suffolk, Va., has elected Mario Peruzzi as president to succeed the late Amadeo Obici. F. A. English has been elected vice-president, and will continue as secretary of the firm.

**R. P. Lukens,** director of manufacturing, and John H. Gage, treasurer of Merck & Co., Inc., New York, have gone to Costa Rica and Guatemala to inspect the cinchona plantations of the company's subsidiary, Experimental Plantations, Inc.

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# Imports at United States Ports

### *New York Imports*

AGAR—4 bbls, Chase National Bank, Coastal Delegate, Vera Cruz
1 bbl, Coastal Delegate, Vera Cruz
ANGOSTURA BARK—43 bgs, Silvio Guguine Co, Alcoa Cavalier, Trinidad
ANNATTO SEED—110 bgs, Pablo Calvet & Co, Santa Maria, Puna
110 bgs, Santa Maria, Puna
ANTIMONY ORE—462 bgs, Watson, Geach & Co, Santa Maria, Antofagasta
1,967 bgs, Watson, Geach & Co, Santa Olivia, Antofagasta
618 bgs, National Lead Co, Santa Olivia, Antofagasta
4,263 bgs, Philipp Bros, Santa Olivia, Antofagasta
REGULUS—1,114 ingots, Curwell, Strauss & Co, Blijdendijk, Rotterdam
SULPHITE—238 bgs, Philipp Bros, Santa Olivia, Callao
ARROWROOT—3,150 bgs, Morningstar, Nicol, Inc, Alcoa Cavalier, St Vincent
ARTISTS MATERIALS—25 cs, Winsor & Newton, American Ranger, London
ASBESTOS—1,440 bgs, Keasby & Mattison, Robin Wentley, Lourenco Marques
1,090 bgs, Johns Manville Corp, Robin Wentley, Lourenco Marques
526 bgs, Keasby & Mattison, Robin Wentley, Capetown
960 bgs, Raybestos Manhattan, Inc, Waltham Victory, Beira
BALATA—64 bls, Wessel, Duval & Co, Alcoa Cavalier, Trinidad
787 blocks, Wessel, Duval & Co, Alcoa Cavalier, Trinidad
561 blocks, Wessel, Duval & Co, Rio Branco, Belem
541 blocks, H A Astlett & Co, Rio Branco, Belem
178 blocks, Earle Bros, Rio Branco, Belem
50 cs, T A Desmond & Co, Rio Branco, Belem
BALSAM TOLU—100 cs, Magnus, Mabee & Reynard, Cape Ann, Barranquilla
BARBASCO ROOT—592 bls, Westinghouse Electric International, Santa Olivia, Callao
BAY OIL—27 cs, Dodge & Olcott Co, Loop Knot, Roseau
BEES WAX—137 bgs, Grace Bros, Santa Olivia, Talcahuano
54 bgs, Paul & Stein Bros, Col Rio Magdalena, Buenaventura
43 bdls, Bank of Nova Scotia, Iriona, Puerto Barrios
76 bgs, Strahl & Pitsch, Iriona, Puerto Barrios
BLOOD, DRIED—795 bgs, Wessel, Duval & Co, Mormacswan, Montevideo
BUCHU LEAVES—19 bls, S B Penick & Co, Robin Wentley, Capetown
CALCIUM CITRATE—600 bgs, Neo Chemical Corp, Alcoa Cavalier, Trinidad
CADMIUM, REFINED—7 cs, Cerro de Pasco Copper Corp, Santa Olivia, Callao
CANARY SEED—315 bgs, Hartz Mountain, North Glow, Tanger
726 bgs, Wagner Bros Feed Corp, North Glow, Tanger
CARAWAY SEED—300 bgs, Louis Furth, Inc, Flying Independent, Rotterdam
100 bgs, I Grob & Co, Flying Independent, Rotterdam
300 bgs, Holland Colombo Trading Society, Inc, Noordam, Rotterdam
50 bgs, Knickerbocker Mills Co, Noordam, Rotterdam
200 bgs, Biddle Purchasing Co, Noordam, Rotterdam
CARBON POWDER—136 dms, Morganite, Inc, American Ranger, London
CARDAMOM SEED—57 cs, B H Old & Co, Iriona, Puerto Barrios
32 cs, A G Dunn, Iriona, Puerto Barrios
24 cs, P H Petry & Co, Iriona, Puerto Barrios
CARNAUBA WAX—11 bgs, Innis, Speiden & Co, Wilhelmina, Bahia
251 bgs, W R Grace & Co, Rio Branco, Tutoya
151 bgs, Wax & Rosin Products, Inc, Rio Branco, Tutoya
68 bgs, Enco Chemical Corp, Rio Branco, Tutoya
114 bgs, Wessel, Duval & Co, Rio Branco, Tutoya
59 bgs, Lanham & Reeve, Rio Branco, Tutoya
26 bgs, R W Cameron & Co, Rio Branco, Tutoya
63 bgs, Wm M Allison & Co, Rio Branco, Tutoya
67 bgs, Cornelius Products Co, Rio Branco, Bahia
67 bgs, Smith & Nichols, Rio Branco, Bahia
106 bgs, Strahl & Pitsch, Rio Branco, Bahia
CASEIN—1,000 bgs, American Cyanamid & Chemical Corp, Wilhelmina, Buenos Aires
CASTOR BEANS—4,250 bgs, Sherwin Williams Co, Wilhelmina, Bahia
847 bgs, Chase National Bank, Col Rio Magdalena, Monita
8,387 bgs, Spencer Kellogg & Sons, Stockholt, Recife
14,334 bgs, Baker Castor Oil Co, Stockholt, Recife
3,400 bgs, Baker Castor Oil Co, Rio Sao Francisco, Bahia
7,700 bgs, Baker Castor Oil Co, Rio Sao Francisco, Recife
846 bgs, Baker Castor Oil Co, Rio Branco, Tutoya
847 bgs, Spencer Kellogg & Sons, Rio Branco, Recife
4,000 bgs, Baker Castor Oil Co, Rio Branco, Recife
1,700 bgs, Sherwin Williams Co, Rio Branco, Recife
834 bgs, Baker Castor Oil Co, Rio Branco, Bahia
CEDARWOOD OIL—10 dms, W J Bush & Co, Robin Wentley, Mombasa
5 dms, W J Bush & Co, Robin Gray, Mombasa
CERAMIC COLORS—5 cs, Croxall Chemical Supplies Co, American Forwarder, Liverpool
1 cs, Paul & Stein Bros, American Forwarder, Liverpool
5 cs, Sneyd Color Co, American Forwarder, Liverpool
2 cs, B F Drakenfeld & Co, American Forwarder, Liverpool
CHALK, PRECIPITATED—620 bgs, H J Baker & Bro, American Forwarder, Liverpool
CHAMOMILE FLOWERS—50 cs, Karl H Landes, Inc, Hobart Victory, Trieste
CHICLE GUM—86 bls, L A Dreyfus Co, Alcoa Cavalier, Trinidad
372 bls, Chicle Development Co, Iriona, Puerto Barrios
CHROME ORE—4,900 tons, Amtorg Trading Corp, Michurin, Novorossisk
CITRONELLA OIL—7 dms, Fruit Despatch Co, Iriona, Puerto Barrios
10 dms, Lo Curto & Funk, Iriona, Puerto Barrios
CLOVES—500 bls, Robin Wentley, Zanzibar
COCA LEAVES—122 bls, Monsanto Chemical Co, Santa Maria, Salaverry
COLOMBO ROOT—100 bgs, S B Penick & Co, African Planet, Lourenco Marques
60 bgs, Bank of Toronto, Robin Wentley, Zanzibar
420 bgs, R J Prentiss & Co, Robin Gray, Dar Es Salaam
COPAL GUM—103 bgs, G H Lincks, Inc, Lafayette, Manila
COPRA—475 tons, Spencer Kellogg & Sons, Lafayette, Cebu
CORIANDER SEED—253 bgs, Karl H Landes, Inc, Noordam, Rotterdam
188 bgs, Transatlantic Commodities Corp, North Glow, Tanger
300 bgs, North Glow, Casablanca
325 bgs, A G Dunn, Mormacswan, Buenos Aires
1,657 bgs, Louis Furth, Inc, Mormacswan, Buenos Aires
COUSSO—125 bls, Peck & Velsor, Sete Cidades, Oporto
CRESYLIC ACID—300 dms, American Cyanamid & Chemical Corp, American Ranger, London
45 dms, J H Faunce, Inc, American Forwarder, Manchester
95 dms, Reinhardt Chemical Corp, American Forwarder, Manchester
100 dms, Concord Chemical Co, American Forwarder, Liverpool
100 dms, American Cyanamid & Chemical Corp, American Forwarder, Liverpool
778 dms, American Forwarder, Liverpool
CUBE ROOT—140 bls, Morris Hess & Co, Santa Olivia, Callao
63 bls, Morris Hess & Co, Santa Maria, Callao
CUTTLEFISH BONES—120 straps, Hinton & Co, Hobart Victory, Trieste
DEXTRIN—25 bgs, O Eisman, Blijdendijk, Rotterdam
25 bgs, O Eisman, Noordam, Rotterdam
DIACETYL—13 cs, Novadel Agene Co, Noordam, Rotterdam
DILLSEED—158 bgs, Wagner Bros Feed Corp, American Forwarder, Liverpool
ERGOT—40 dms, Parke Davies & Co, Sete Cidades, Oporto
20 dms, E Meer & Co, Sete Cidades, Oporto
ESSENTIAL OIL—6 dms, Coastal Delegate, Vera Cruz
FUEL OIL—105,000 bbls, Standard Oil Co N J, J A Mowinckel, Aruba
107,141 bbls, Asiatic Petroleum Corp, Chiwawa, Aruba
98,885 bbls, Standard Oil Co N J, Ventura Hills, Aruba
102,000 bbls, Standard Oil Co N J, Esso Raleigh, Aruba
GALL—4 cks, International Commercial Co, Stockholt, Santos
GENTIAN ROOT—21 bls, R J Prentiss & Co, Hobart Victory, Trieste
GLANDS—40 cs, Wilson Laboratories, Mormacswan, Buenos Aires
GLUESTOCK—29 bls, National City Bank, Stockholt, Recife
626 bgs, Karr Ellis & Co, American Forwarder, Liverpool
GREAVES—2,005 cakes, H M Robin Co, Wilhelmina, Buenos Aires
20 bgs, H M Robin Co, Wilhelmina, Buenos Aires
2,673 cakes, H M Robin Co, Mormacswan, Buenos Aires
71 bgs, H M Robin Co, Mormacswan, Buenos Aires
1,685 cakes, Bank of the Manhattan Co, Mormacswan, Buenos Aires
GYPSUM—10,397 tons, United States Gypsum Co, Gypsum Queen, Hantsport
2,762 tons, National Gypsum Co, Simcoe, Walton
8,005 tons, National Gypsum Co, Robert Stuart, Dingwall
HERBS—14 bls, R J Prentiss & Co, Mormacswan, Buenos Aires
7 bls, Peek & Velsor, Hobart Victory, Trieste
IRON OXIDE—10 cks, J H Rhodes & Co, American Forwarder, Liverpool
JALAP ROOT—37 bgs, Coastal Delegate, Vera Cruz
KYANITE—200 tons, Golwynne Chemical Corp, Robin Gray, Mombasa
LIME FLOWERS—40 bls, Amtorg Trading Corp, Rossia, Odessa
LIME JUICE—33 cks, Corn Exchange Bank, Loop Knot, Roseau
LIME OIL, DISTILLED—45 cs, Barclay Bank, Alcoa Cavalier, Trinidad
MACE—47 cs, Middleton & Co, Alcoa Cavalier, Grenada
5 cs, J Raphael & Son, Alcoa Cavalier, Grenada
16 cs, Karl Landes, Alcoa Cavalier, Grenada
MAGNESIA CARBONATE—200 bgs, Schofield, Donald Co, Inc, American Forwarder, Liverpool
MENTHOL—50 cs, P A Dunkel & Co, Stockholt, Santos
13 cs, J Berlage & Co, Stockholt, Santos
MICA—60 cs, Siegfried Cussel, Mormacswan, Buenos Aires
MINT OIL—2 bbls, Magnus, Mabee & Reynard, North Glow, Tanger
MOLASSES—400 bbls, Colonial Molasses Co, Alcoa Cavalier, Bridgetown
800 bbls, Mangels Herold Co, Alcoa Cavalier, Bridgetown
9,697 tons, Reconstruction Finance Corp, Oscar S Straus, Puerto Padras
457 tons, W R Grace & Co, Santa Maria, Salaverry
MONAZITE SAND—16,000 bgs, Rare Mineral & Metal Co, Wilhelmina, Victoria
MOULDING POWDER—136 dms, Milton Snedeker & Co, American Ranger, London
MUCUGE GUM—166 bgs, L A Dreyfus & Co, Rio Branco, Bahia
MUSTARD SEED—954 bgs, Charles Gulden, Inc, Mormacpine, Copenhagen
561 bgs, A G Dunn, Mormacpine, Copenhagen
NAPHTHALENE—68 dms, C H Asche & Co, Robin Gray, Durban
NUTMEGS—270 bgs, Middleton & Co, Alcoa Cavalier, Grenada
180 bgs, A G Dunn, Alcoa Cavalier, Grenada
25 bgs, Dodge & Olcott Co, Alcoa Cavalier, Grenada
56 bgs, J McGlade, Alcoa Cavalier, Grenada
11 bgs, Max Van Pels, Alcoa Cavalier, Grenada
100 bgs, C T Wilson & Co, Alcoa Cavalier, Grenada
43 bgs, W J Bush & Co, Alcoa Cavalier, Grenada
50 bgs, D Herbst & Co, Alcoa Cavalier, Grenada
OLIVE OIL—100 cs, The Pepe Margano Co, Vulcania, Genoa
100 cs, V Sabella & Co, Burbank Victory, Leghorn
470 cs, Berolio Import Co, Inc, Burbank Victory, Leghorn
150 cs, Vincent Morano, Burbank Victory, Leghorn
ORANGE OIL—21 cs, W J Bush & Co, Waltham Victory, Beira
8 cs, W J Bush & Co, Stockholt, Santos
ORTHOCRESOL—25 dms, Republic Chemical Co, American Forwarder, Liverpool
OURICURY WAX—56 bgs, Avon Trading Corp, Wilhelmina, Bahia
112 bgs, W R Grace & Co, Wilhelmina, Bahia
56 bgs, E A Bromund Co, Wilhelmina, Bahia
113 bgs, Wax & Rosin Products, Inc, Wilhelmina, Bahia
113 bgs, Cornelius Product Co, Wilhelmina, Bahia
57 bgs, Strohmeyer & Arpe Co, Wilhelmina, Bahia
119 bgs, Wessel, Duval & Co, Wilhelmina, Bahia
62 bgs, Wm M Allison & Co, Wilhelmina, Bahia
84 bgs, Paul & Stein Bros, Rio Banca, Bahia
84 bgs, Wm M Allison & Co, Rio Banca, Bahia
11 bgs, Smith & Nichols, Rio Banca, Bahia
11 bgs, F B Ross & Co, Rio Banca, Bahia
PAPAIN—60 cs, R J Prentiss & Co, Robin Wentley, Mombasa
28 cs, Peek & Velsor, Robin Wentley, Mombasa
37 cs, J L Hopkins & Co, Robin Wentley, Mombasa
19 cs, E Meer & Co, Robin Gray, Mombasa
16 cs, W E Martin Co, Robin Gray, Mombasa
PAPRIKA—600 bgs, M J Golombeck, North Glow, Tanger
PEATMOSS—300 bls, H S Dorf & Co, Blijdendijk, Rotterdam
PEPPER, BLACK—884 bgs, Mincing Trading Co, Blijdendijk, Rotterdam
150 bgs, Mincing Trading Co, Noordam, Rotterdam
101 bgs, W L Willner, Noordam, Rotterdam
645 bgs, Otto Gerdau Co, Noordam, Rotterdam
286 bgs, C T Wilson & Co, Noordam, Rotterdam
400 bgs, National City Bank, Coastal Delegate, Tampico
300 bgs, Chase National Bank, Coastal Delegate, Tampico
400 bgs, Coastal Delegate, Tampico
25 bgs, Coastal Delegate, Vera Cruz
WHITE—300 bgs, International Rotterdam, Inc, Blijdendijk, Rotterdam
75 bgs, W L Willner, Noordam, Rotterdam
112 bgs, Joensson & Cross, Noordam, Rotterdam
113 bgs, M Golodetz & Co, Noordam, Rotterdam
150 bgs, Noordam, Rotterdam
PETITGRAIN OIL—25 cs, Ungerer & Co, Mormacswan, Buenos Aires
10 cs, Geo Lueders & Co, Mormacswan, Buenos Aires
PETROLEUM, CRUDE—124,183 bbls, Standard Oil Co, N J, Esso New Haven, Puerto La Cruz
123,280 bbls, Socony Vacuum Oil Co, Satucket, Puerto La Cruz
116,016 bbls, Imperial Oil Ltd, Imperial Quebec, Puerto La Cruz
105,396 bbls, Gulf Oil Corp, Gulfstream, Las Piedras
POPPYSEED—100 bgs, Wagner Bros Feed Corp, Mormacswan, Buenos Aires
200 bgs, Levy & Levis Co, Flying Independent, Rotterdam
100 bgs, Louis Furth, Inc, Flying Independent, Rotterdam
300 bgs, A G Dunn, Flying Independent, Rotterdam
100 bgs, I Grob & Co, Flying Independent, Rotterdam
200 bgs, Zuloom Bros Co, Noordam, Rotterdam
200 bgs, Joel Bieler Export & Import Co, Noordam, Rotterdam
QUICKSILVER—100 flasks, Chase National Bank, Coastal Delegate, Tampico
SAGE LEAVES—246 bls, Sokol & Co, Hobart Victory, Trieste
SORVA GUM—10 cs, Herman Weber & Co, Rio Branco, Belem
STEARIC ACID—32 bgs, R Blum & Popper, Mormacswan, Buenos Aires
45 bgs, Mercantile Metal & Ore Corp, Mormacswan, Buenos Aires
TALL OIL PITCH—1,063 dms, G S Ziegler & Co, Mormacpine, Stockholm
TANKAGE—2,027 bgs, Wessel, Duval & Co, Wilhelmina, Buenos Aires
TAPIOCA FLOUR—2,000 bgs, American Key Products, Inc, Rio Branco, Tutoya
TARA POWDERED—706 bgs, Santa Maria, Salaverry
TONKA BEANS—8 bbls, Dodge & Olcott Co, Rio Branco, Belem
TUNGSTEN ORE—354 bgs, Wah Chang Trading Corp, Stockholt, Santos
VANADIUM ORE—2,760 bgs, Vanadium Corp of America, Santa Maria, Callao
VANILLA BEANS—41 cs, Dodge & Olcott Co, Coastal Delegate, Vera Cruz
CUTS—45 cs, Dodge & Olcott Co, Coastal Delegate, Vera Cruz
VERMICULITE—500 bgs, Philipp Bros, African Planet, Lourenco Marques
WATTLE BARK—2,714 bls, Hammond & Carpenter Corp, Robin Gray, Durban
EXTRACT—1,000 bgs, Vermilye Co, Robin Gray, Durban
WOLFRAM ORE—1,200 bgs, Wah Chang Trading Corp, Santa Olivia, Arica

### *Baltimore*

CANARY SEED—291 bgs, W G Scarlett & Co, North Glow, Tanger
CARAWAY SEED—300 bgs, W G Scarlett & Co, Pierre Victory, Rotterdam
CHROME ORE—4,560,225 lbs, Vanadium Corp of America, Waltham Victory, Beira
6,799,520 lbs, E J Lavino & Co, Waltham Victory, Beira
5,214,920 lbs, E J Lavino & Co, Robin Gray, Lourenco Marques
5,094,205 lbs, Mutual Chemical Co, Robin Gray, Lourenco Marques
CORIANDER SEED—300 bgs, W G Scarlett & Co, North Glow, Tanger
MANGANESE ORE—3,000 tons, Carnegie-Illinois Steel Corp, African Planet, Durban
5,608,560 lbs, E J Lavino & Co, Robin Wentley, Lourenco Marques
PEATMOSS—400 half bls, Carl Gastmeyer, Inc, Blijdendijk, Rotterdam

### *Boston*

GLUESTOCK—217 rolls, J Gorvers & Co, Cape Ann, Barranquilla
112 bls, J Gorvers & Co, Coastal Delegate, Havana
LIME JUICE—10 cks, J P W Von Laer Co, Loop Knot, Roseau
OSSEIN—869 bgs, Atlantic Gelatine Corp, Ames Victory, Antwerp

### *Norfolk*

COCOA RESIDUE—1,384 bgs, Monsanto Chemical Co, American Ranger, London

### *Philadelphia*

ALUMINUM LEAF—2 cs, Hastings & Co, American Ranger, Bremen
ASBESTOS—3,360 bgs, Charles Kurz Co, Waltham Victory, Beira
BAUXITE—2,511 tons, Alcoa Mining Co, Loop Knot, Paramaribo
CALCIUM SULPHATE—20 bgs, Smith, Kline & French, American Ranger, London
CANARY SEED—417 bgs, Philadelphia Seed Co, Mormacswan, Buenos Aires
CASEIN—2,032 bgs, National Casein Sales Co, Mormacswan, Buenos Aires
CHROME ORE—909 tons, Frank Samuels & Co, African Planet, Lourenco Marques
MANGANESE ORE—6,434,800 lbs, E J Lavino & Co, Robin Wentley, Durban
PEATMOSS—200 bls, H S Dorf & Co, Blijdendijk, Rotterdam
500 bls, Carl Gastmeyer, Inc, Blijdendijk, Rotterdam
SILVER LEAF—2 cs, Hastings & Co, American Ranger, London
SUMAC LEAF—200 bls, Drueding Bros Co, Hobart Victory, Palermo
200 bls, Guaranty Trust Co, Hobart Victory, Palermo

## Sanders Named Manager Of Pacific Chemical Co.

The American-Marietta Company, Chicago, has appointed Ray Sanders general manager of its Pacific Chemical Company division, Los Angeles. Mr. Sanders' appointment coincides with announcement of plans to expand the company's activities on the West Coast.

## Protective Metal Coatings Bibliography Issued

*OPD Washington Bureau*

The Office of Technical Services has published a special bibliography containing a complete list of technical reports and documents on protective coatings for metals, which includes all of the protective metal coating material received by the office through October 1, 1946. Free copies may be obtained from the reference service, Office of Technical Services, Department of Commerce, Washington 25, D. C.

The bibliography includes research reports and patent applications from I. G. Farbenindustrie in Germany as well as various specifications of the U. S. Bureau of Ordnance and reports on Quartermaster Corps investigations. The reports present technical information on a large number of metal protective coatings, including:—Synthetic coatings for gasoline tanks, oxidized finish for brass, rust preventive coatings for steel, wax coatings for electrical components, phosphate coatings, coating agents for magnesium and magnesium-alloys, protective coatings for ships bottoms, organic coatings, vitreous enamel coatings on aluminum, and German plastics coatings.

## Viehl Named President Of Twin Cities Paint Group

S. P. Viehl, of the Glidden Company, was elected president of the Minneapolis-St. Paul Paint, Varnish and Laquer Association at its recent meeting. Other officers named at the meeting were:—vice-president, A. M. Maxson, Pittsburgh Plate Glass Company; treasurer, W. N. Thompson, Stewart Paint Manufacturing Company, and secretary, G. C. Brandt, jr., George C. Brandt, Inc.

Featured speaker at the meeting was Dr. A. Schwarcman, of Spencer, Kellogg & Sons, who discussed nuclear energy. He compared the progress of electrical energy during the past hundred years with the strides made so far in the development of nuclear energy, and predicted that future advancements in the latter would bring about startling advancements in technology and medicine.

## N.Y. Paint Advertisers To Confer Today

The New York Paint, Varnish and Lacquer Association will hold a conference of advertising and sales promotion executives with its public relations committee at 3 p.m. today in the Pennsylvania hotel. Included on the agenda of the conference are the following subjects for discussion:—

1. Crystallizing of opinions and recommendations to be presented at the national conference to be held at Atlantic City.
2. Deciding upon a specific location for the spring meeting.
3. Interchange of experience on uses of any media which has proved non-productive and not suitable for paint advertising.
4. Formulating of plans for tying up with "Clean Up" activities in every community in the coming months.
5. Receiving of suggestions to increase paint sales and improve public relations.

## Louisville Paint Technicians Hear Talk on New Pigment

Members of the Louisville Paint and Varnish Production Club heard E. P. Peterson, of the National Lead Company, discuss "Basic Silicate White Lead 45 X" at a recent meeting of the organization held at the Brown hotel, Louisville, Ky. Mr. Peterson explained that this product is a new concept in pigments since it has a silica core with a layer of basic lead silicate stabilized with lead sulfate, and explained its applications and methods of use.

## *Trade Briefs*

**Charles E. Hires Company,** Philadelphia, has promoted Cecil Campbell, former zone manager of Louisiana, Mississippi and Arkansas, to the position of southern division manager of the franchise division. His headquarters will be in Shreveport, La.

**Hilo Varnish** Corporation, Brooklyn, N. Y., has developed a new coating called "Clix," which, the company claims, dries to handle in five to ten minutes, has a good gloss and resists fruit acids, vinegar, grease alkali and mineral spirits. Available in white and colors, it is suitable for wood and metal.

**American-Marietta** Company, paint manufacturer and distributor, Chicago, has registered with the Securities and Exchange Commission, a statement covering a new issue of 130,000 common shares, par value $2, of which 125,000 shares are offered to the public by underwriters and 5,000 shares are offered to certain of the company's executive personnel.

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## Wilson Heads Red Cross Medical Services

*OPD Washington Bureau*

Dr. Frank E. Wilson, of Silver Spring, Md., has been appointed administrator of American Red Cross medical services, succeeding the late Dr. Courtney Smith, who was killed in airplane crash last June. Dr. Wilson has been deputy administrator of the services since joining the Red Cross in June, 1946.

## Polak & Schwarz Names Harrison to Field Staff

Polak & Schwarz, Inc., manufacturer of flavoring extracts, essential oils and perfume compounds, has appointed Clifford L. Harrison as a field representative covering Maryland, Delaware, Pennsylvania, New York and southern New Jersey.

### Sodium Carboxymethylcellulose Now Being Made by Wyandotte

Wyandotte Chemical Corporation, Wyandotte, Mich., is now manufacturing commercial quantities of "Carbose," a technical grade sodium carboxymethylcellulose, produced by a process for which patents have been applied. When it is used with certain synthetic detergents, laundering performance equals, and in many cases, excels that of the best grades of soap, according to the company. Information on "Carbose" can be obtained by the firm's development department at Wyandotte.

### Yale University Announces Faculty Additions, Promotions

Among faculty appointments and promotions announced last week by Yale University were:—Ira V. Hiscock, Anna M. R. Lauder professor of public health; George A. Baitsell, Colgate professor of biology; Dr. David M. Kydd, associate professor of medicine, and Raymond W. Southworth, research assistant in chemical engineering with the rank of assistant professor.

### N.J. Machine Corp. Opens California Branch Office

New Jersey Machine Corporation, manufacturer of labeling and paper box machinery, Hoboken, N. J., has opened a branch office at 2500 West Sixth street, Los Angeles 5, Calif. Peter L. Heguy has been transferred from the company's main office to manage the new branch, and Richard Tank has been named head of the service department in California.

### Mallinckrodt Names Michaels Kansas City Representative

Mallinckrodt Chemical Works, St. Louis, Mo., has appointed Eldon W. Michaels sales representative for the territory of western Missouri, Kansas and Colorado. Mr. Michaels, who recently joined the Mallinckrodt organization, will maintain headquarters at 428 West Sixty-seventh street, Kansas City, Mo.

### Enequist Chemical Company Purchases Brooklyn Factory

Enequist Chemical Company, Brooklyn, N. Y., has purchased a factory building at 255 Freeman street in that city. The two-story facility will be used for manufacturing and warehousing of the company's line of chemicals, drugs, gums, oils, waxes and dyes.

## Breon Advances Diman

George A. Breon & Co., pharmaceutical chemical manufacturer, Kansas City, Mo., has promoted Harry Diman to the post of district manager of its division 8, which territory lies entirely within the state of Ohio. Mr. Diman was the company's representative in western Michigan prior to his promotion.

## Koch Plans N.Y. Office

The Koch Chemical Company, Winona, Minn., will establish the headquarters of Koch Laboratories, Inc., in New York for distribution and sales of the company's products, according to Floyd R. Simon, president of the firm.

### Rare Chemicals Enters Female Hormone Field

Rare Chemicals, Inc., Harrison, N. J., has entered the female hormone field with dienestrol "Rare," a new orally administered synthetic estrogen. Literature describing "Rare" is available upon request to the company.

## *Trade Briefs*

**Emerson Drug** Company, New York, has appointed Benjamin Boyd assistant treasurer to succeed Catharine M. Brennan, who has retired after forty-five years of service with the company.

**Paracamph Company,** Inc., Louisville, Ky., has been incorporated to manufacture pharmaceutical products. The incorporators include Albert Meranda, Sam Shannon, J. W. Bell, sr., and Ralph Vogler.

**Koimar Laboratories,** Inc., is a new Delaware corporation in Los Angeles, Calif., with a capital of $15,000 plus 5,000 shares of no par value stock. The principal office of the firm is in Milwaukee, Wis.

**Dr. Alfred Burger,** professor of organic chemistry at the University of Virginia, recently addressed the chemical staff of Smith, Kline & French Laboratories on the subject of "The Uses of Diazomethane in Organic Syntheses."

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## Dr. Vinal Receives Navy Commendation Certificate

*OPD Washington Bureau*

Dr. George W. Vinal, chief of the electrochemistry section of the National Bureau of Standards, has been awarded a certificate of commendation by the bureau of ships of the Navy Department for "outstanding service to the United States Navy during World War II in development of new types of batteries." Among the special purpose batteries developed by Dr. Vinal and his associates for specific Navy uses were a silver peroxide-zinc primary cell and two types of low temperature dry cell batteries.

### Gas-Air Mixer Developed

Gas Appliance Service, Inc., Chicago, has developed a new gas-air mixer for the industrial gas field. With such features as visible operation, the new mixer is designed to pre-mix any commercial gas—natural, manufactured, or liquid petroleum gases—with air in any desired proportion and in any desired quantity within the capacity of the unit, according to the company. A detailed description of the mixer is contained in the firm's Bulletin No. 825, which can be obtained by writing the company at 1211 Webster avenue, Chicago 14.

### Patterson Foundry & Machine Co. Names Jebens Chemical Engineer

The Patterson Foundry & Machine Company, East Liverpool, Ohio, has appointed Raymond H. Jebens chief chemical engineer. He will be available for consultation on processing problems and will aid in the development and application of Patterson equipment.

Mr. Jebens was formerly associated with E. I. du Pont de Nemours & Co., where his work included synthesis experimentation and process engineering in organics, heavy chemicals and paints. He has also been associated with Kimberly-Clark Corporation as chemical engineer in process development work on pulp and paper, and was one of the engineering group which designed the Oak Ridge, Tenn., and Hanford, Wash., plutonium plants.

### Hall Celebrates Forty Years in Chemical Trade

Members of the Pacific Coast chemical industry recently held a dinner for Arthur P. Hall, president of the Los Angeles Chemical Company, in observance of his fortieth year of service to the industry. He was presented with an engraved gold watch to honor the occasion.

## *Trade Briefs*

**Chipman Chemical** Company, Portland, Ore., has received a permit for the construction of a warehouse and additions to a warehouse and office building to cost approximately $54,600.

**Owens-Illinois Glass** Company, Toledo, Ohio, has obtained full ownership of Modern Packages, Inc., Memphis, Tenn. A half interest was obtained as a result of the company's acquisition of American Coating Mills. The other half was asquired from Alton Box Board Company.


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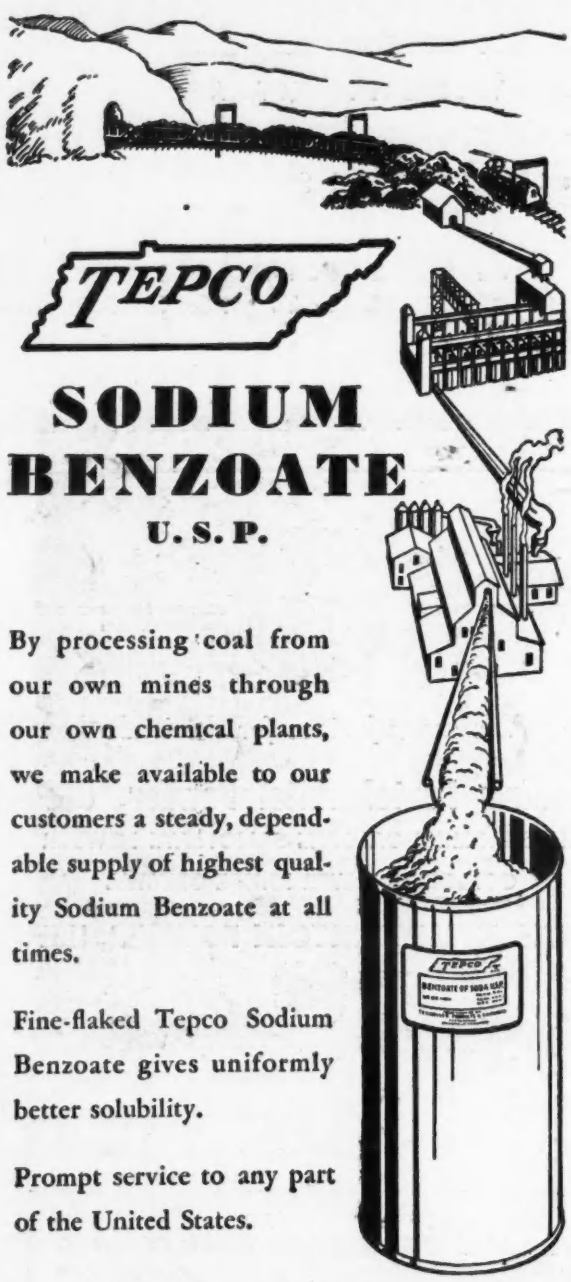


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## *Nitrogen Distribution*

*—Continued from page 5*

nitrogen continues unabated and probable will persist until the unused capacity of Europe and Asia is brought into production, and possibly, until new productive capacity is created in those continents.

World production of nitrogenous fertilizers in 1947-48 (exclusive of ordnance grades for Germany and Japan) was estimated at 2,576,000 tons. This compares with requirements of the IEFC nations of nearly 3,500,000 tons, leaving a gap to be filled of approximately 900,000 metric tons.

While total world production in 1947-48 will be slightly higher than in prewar years, the report continues, the quantities available for export to meet the requirements of importing countries will be lower by about 15 percent as compared with prewar years.

The reasons for the continuation of the world shortage were stated in the report to be (1) lack of raw materials, notably coal; (2) declines in materials which are byproducts of other industrial activities; (3) destruction of considerable industrial capacity during the war, plus the shortage of steel for reconstruction, and (4) limitations placed on production in former enemy countries.

On the other hand, both the demand and the need for chemical fertilizers has increased considerably as compared with prewar. First, because of the increase in population coupled with the absence of new land to be brought under cultivation it has become necessary to increase the productivity per acre of land under cultivation; secondly, many countries urgently desire to replace the accumulated losses of plant nutrients from soils during the war; thirdly, high food prices have stimulated use of fertilizers in the Western Hemisphere.

The secretary-general said that in Europe increased nitrogen production is largely a matter of providing more coal. But the uses of coal are competitive. Not all countries want additional coal used for the production of nitrogen. The production of other things appear equally if not more pressing.


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## Silicones Use Reported To ASTM N.Y. Council

Kingsley W. Given, in charge of the lecture bureau of the chemical department of General Electric Company, Pittsfield, Mass., gave a talk and demonstration on silicones at the first of the 1947-48 meetings under the auspices of the New York district council of the American Society for Testing Materials at the Engineering Societies building, New York, on October 30.

Mr. Given outlined the early work done on silicones and the eventual development of polyorganohalogenpolysiloxane, or "G-E Dri-Film," during World War II. A water-repellent material, this product was used during the war to treat high frequency insulators and airplane windshields, and is currently being used to treat, among other things, porous porcelain filters and parts for hearing aids.

Silicone oils were demonstrated and proved to flow at temperatures down to minus 121 degrees F. Although these oils have a higher flash point, it was pointed out that considerable experimentation must be done before their full lubricating possibilities will be known.

In addition, silicone grease was shown, and its use as a defoaming agent was explained, a phenomenon which the speaker said might be of future importance to the varnish industry. Silicone resins and their use in laminates were exhibited, with laboratory samples showing their greater resistance to prolonged high temperatures. Their use in enamels was also shown to be superior to existing vehicles.

The applications of silicone rubber, which was claimed to remain flexible between temperatures of minus 55 degrees F. and plus 520 degrees F., were pointed out, notably as diesel locomotive gaskets and gaskets for industrial ovens. Finally, bouncing putty, a "freak" silicone was demonstrated, but the speaker admitted that no commercial application has yet been discovered.

Mr. Given was assisted by W. T. Eveleth, sales engineer of the resins and insulating materials division of the chemical department of General Electric Company Schenectady, New York, and H. L. Aldrich, of the New York office. Myron P. Davis, chairman of the New York district council and associated with Otis Elevator Company, New York, presided. while Robert D. Bonney, of Congoleum-Nairne, Inc., New York, served as technical chairman.

## Midland ACS Section Elects Ryden President

Dr. Laurence L. Ryden, research chemist of the Dow Chemical Company, Midland, Mich., has been elected chairman of the Midland section of the American Chemical Society. He succeeds Dr. L. R. Drake, also of the Dow company. Other section officers are:—E. N. Luce, vice-chairman, and J. E. Johnson, secretary-treasurer. Dr. Drake, F. N. Alquist and T. E. Thorsberg were chosen directors, and A. J. Barry, E. C. Britton, J. W. Britton and R. H. Boundy were named to the society's national council. All are members of the Dow staff.

## G.S. Ziegler & Co. To Expand Activities

G. S. Ziegler & Co., chemical manufacturer, New York, has expanded its activities to cover the field of compounding ingredients for natural and synthetic rubbers, featuring activation acids, deactiflers and other processing acids. E. A. Van Valkenburgh has joined the Ziegler organization to head the new division, and will make his headquarters at the company's New York offices.

## Chrystal Names Hukill Cleveland Representative

Hukill Chemical Corporation, Cleveland, has been appointed representative for the Charles B. Chrystal Company, New York, in the Cleveland and northern Ohio area. The Hukill organization, which will handle the latter company's complete line of industrial minerals, is located at 4614 Prospect avenue, Cleveland 3, Ohio.

### Nopco Offers New Cationic Surface Active Chemicals

A series of cationic surface active chemicals, known under the trade name "Nopcogen," is now under production by Nopco Chemical Company, Harrison, N. J. According to the company, the products have an improved and more complete dispersibility in acid mediums, while some members of the series exhibit complete solubility in waxes, petroleum, vegetable oils and numerous organic solvents. It is claimed they are useful as wetting, dispersing and softening agents; as antistatic and ore flotation chemicals, and as synthetic waxes.

## *Trade Briefs*

**Valley Foundry** & Machine Works, Inc., Fresno, Calif., offers a new bulletin, No. 202, which describes filtering operation, materials of construction and the five major filter press models. The booklet may be obtained free of charge from the company.

**Aluminum Industries,** Inc., has called a special stockholders' meeting for November 10 to vote on an increase in the authorized no par common stock from 100,000 to 500,000 shares. If approved, the directors expect to declare a 100 percent stock dividend.

**Monsanto Chemical** Company has given the workers at its Merrimac Division, Everett, Mass., their third round of wage increases since the end of the war. The latest raise of 10½ cents an hour brings the average hourly wage of that plant to $1.41½.

**Pennsylvania Salt** Manufacturing Company's shareholders, at the company's ninety-seventh annual meeting in Philadelphia, voted to change the present fiscal year, July 1 to June 30, to correspond with the calendar year, beginning January 1, 1948. The annual meeting date was also changed from October to the fourth Wednesday in April.

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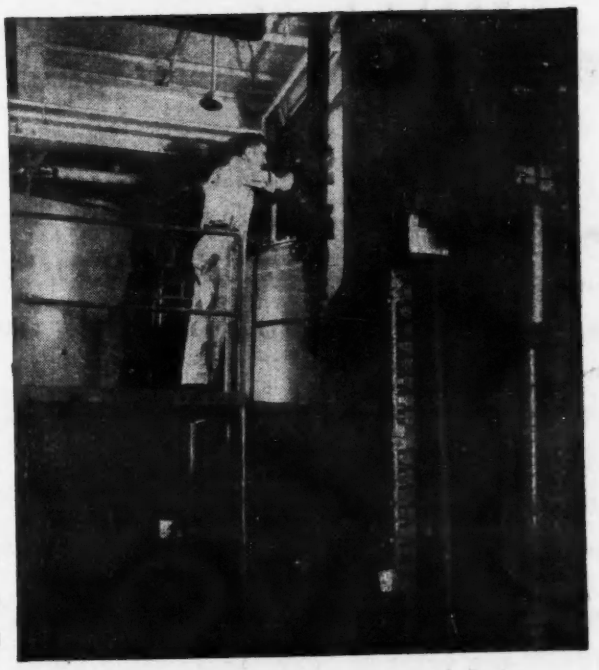

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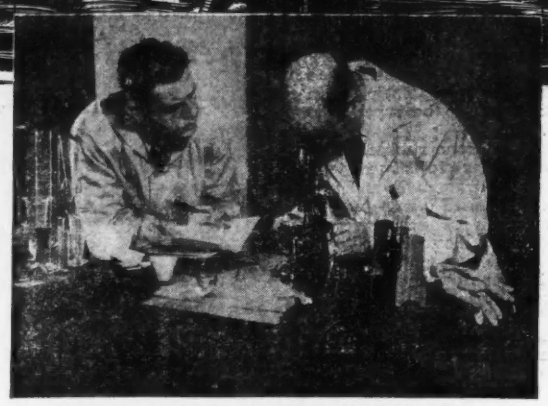

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# Botanical Drugs, Spices, Gums

A fair amount of good sized trading in medicinal botanicals was reported last week. While the total exceeded but moderately confines set some time back by the fact that many manufacturing consumers held excellent reserves, the quantity moved was an improvement over that sold in recent weeks and to that extent the market was moderately improved and suggested that consumer inventories were being reduced.

Condimental botanicals continued to reveal some very severe shortages in the spot supplies and to add to the pressure thereby exerted on prices, rather more than normal export interest was disclosed, most especially in anise and cumin seeds. Of importance as regarded future landed prices of Dutch mustard was the fact that a drop in export activity in Holland had led the government there to slash its export bounty.

Goldenseal root appeared to have turned steadier; at least, recent price declines were not extended. Bloodroot and lobelia herb were items of substantial strength, the prices for which seemed destined for higher levels. Irish moss was a drug on the market—and the pun is intended. Vanilla beans entered a period of waiting during which the importing trade must readjust itself to the higher replacement prices that went into effect October 15 in the primary market for Bourbon beans. The rise there was between 75c. and $1.50 per pound.

Reorganization and rehabilitation efforts were reported in action on the island of Formosa from whence a peak export of around 11,000,000 pounds of camphor was reached in prewar times. None was known to be under production now and at least 500 tons remains of the camphor stockpile liberated when the Japs threw in the towel.

Rhubarb root from China was sharply lower in price and competition between China and India roots remained keen as sellers tried to liquidate stocks of the latter. Senega seemed more stable in price, here and at origin. Belladonna leaves of excellent quality were available out of the new crop of American grown goods. Wahoo bark of root was in low supply and available only at high primary market prices. Better call was noted for cocillana, white pine, and wild cherry barks.

## Market Trends

**Prices Advanced**

*Drugs*

None

*Other Articles*

Anise, star, ½c. per lb.
Cassia, Saigon, medium, 5c. per lb.
thin, 6c. per lb.
Clove, Madagascar, spot, ½c. per lb.
futures, ½c. per lb.
Zanzibar, ¼c. per lb.
Coriander seed, Argentine, ½c. per lb.
Marjoram, French, resifted, 1c. per lb.
Pepper, black, 1c. per lb.
Poppy seed, Argentine, 1c. per lb.
Danish, 1½c. per lb.
Dutch, 1c. per lb.
Turkish, ½c. per lb.

**Prices Reduced**

*Drugs*

Gentian root, 4c. per lb.
Jaborandi leaves, 5c. per lb.
Quince seed, 10c. per lb.
Rhubarb root, 15c. per lb.
Wild cherry, thin, natural, 1c. per lb.

*Other Articles*

Cassia, China rolls, select, ½c. per lb.
Mustard seed, Dutch yellow, ½c. per lb.
Sage, Dalmatian, ¼c. per lb.

**Comparative Price Indexes**

(100=August 1, 1914)

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 257.3 | 258.5 | 259.0 | 294.8 |

(For Current Prices see Page 9)

## Balsams

**Copaiba**—Trading returned to a basis suggestive of jobbing requirements on the part of most buyers last week. However, market undertones continued steady in keeping with well maintained replacement costs at the origin.

**Fir**—Demand for Oregon balsam showed a moderate increase last week and the enlargement of trade served to add firmness to the market that advanced recently. Canadian balsam was in routine request but the market was substantially firm to strong on the basis of available stocks and the prevailing quotations in the primary market.

## Barks

**Angostura**—The supply was slightly improved. During the past week 43 bags of this bark reached here from Trinidad and it served to create a better balanced market in which prices were well held without suggestion of coming change in the nearby future.

**Black Haw**—The market has solidified supply and probable consuming need during the months ahead. Little or no comin to a very firm position based on available petition prevailed locally last week even though demand currently present was not substantial in size.

**Cinchona**—The most recent reports from Java state that plantings and installations there are in good condition. It should not take too long a time for prewar cinchona quills to reappear on the spot market from stocks held by the local botanical dealers.

**Wahoo**—The small lots offered by fur dealers in the primary market were held at prices not far from the spot quotation of $2.25 per pound for root bark. No oversupply of this item was in sight.

**Wild Cherry**—Quotations on thin natural were lower at 17c. to 18c. per pound. Other varieties of the article were slightly unsettled despite some gain in seasonal request.

## Beans

**Vanilla**—The higher and official prices recently established in the primary market for Bourbon beans has yet to find reflection in spot quotations but it was clear last week that an advance will come eventually. It was said that, based on the new schedule at the origin, Bourbons would cost the importer around $8 per pound, compared with the present spot quotation of $7.75 to $8.50 per pound, as to quantity, quality and seller. Orders placed some time ago on goods for shipment around the turn of the year will be subject to the higher price schedule that became effective at the source on October 15.

## Berries

**Hawthorn**—Though the stock on spot was moderate in size and had not been increased recently by arrivals from the source, the market was generally on the firm side in the absence of competition. Costs abroad have not moved in favor of buyers in this market.

**Raspberries** — No oversupply of dried berries was held locally. At the moment, the call was very light but the lack of superior stocks was more than sufficient to hold prices to a very firm position.

## Flowers

**Arnica**—After a hiatus during which arriving merchandise rarely included arnica flowers of European origin, a shipment of 50 cases from Trieste was reported arrived during the past week. It remains for the goods to top the hurdle of the Food and Drug Administration examination. In the past, numerous arrivals had been detained.

**Chamomile**—This was another flower that has not been in the import lists for some time past—so far as major quantities were concerned. Cultivation of a new crop will start in the Argentine in the not too far distant future. Meanwhile, little is said regarding the availability of good quality flowers in the European markets. The spot situation continued to be very firm.

## Gums

**Aloe**—The market seemed to be slightly steadier but competition still prevailed in a degree rather larger than usual and con-

## Imports Detained by FDA

**Week Ended October 24**

Cassia, 625 bales: insect infested.
Cassia oil, 10 drums: rosin and heavy metals.
Cod oil, tanked, and untanked, 270 packages: decomposed.
Ginger, 60 bags: insect bored; live and dead insects.
Henbane, 128 bales: not official variety.
Hyoscyamus leaves, 19 bags: filthy.
Mace, 101 cases: live and dead insects.
Nutmegs, distillation, 180 bags: moldy and wormy.
Papain, 14 cases: dead insects.
Paprika, 300 bags: filthy.
Pepper, black, 250 bags: excess siftings and pickings.
Pepper, white, 153 bags: live and dead insects.
Pimento, 1,152 bags: Live and dead insects; filthy.
Psyllium husks, 276 bags: live and dead insects.

**Baltimore**

Cassia, 130 bales: insect infested; water damaged.
Lingon berries, 96 barrels: insect infested.

**Philadelphia**

Caraway seed, 25 bags: filthy.

For Late Market Developments, See Page 4

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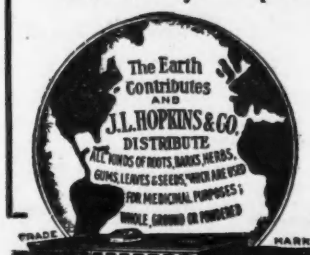
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ditions continued to favor buyers with firm orders in hand.

**Arabic**—Replacement cables continued to come in at very firm price levels and all signs of unsettlement were absent in primary market advices received during the past week. Demand in local circles was very steady and fair sized quantities went to consumers at full market prices.

**Camphor**—According to foreign advices, the Chinese government is attempting to rehabilitate the camphor industry on Formosa. The industry at present is at a standstill because of reorganization and the complicated take-over procedures. The Taiwan camphor producer has reported that at the Japanese surrender, 1,000 tons constituted the company's stockpile and, further, that it remains intact with no buyers in sight. The peak production on Formosa was 11,300,000 pounds in prewar time. Of the 1,000 tons stockpile existent when the Japs threw up the sponge, some of it has already been moved to various allied countries but a recent estimate was that at present there remains about 500 tons unsold.

## Herbs and Leaves

**Belladonna**—The market lacked fresh developments. It was very steady throughout the past week at prices declared to be well stabilized on the minimum basis of $1.45 per pound for USP material. The quality of the domestic crop was said to run relatively high this year.

**Buchu**—Selling was along moderate lines that for the most part covered prompt requirements of a restricted number of users. Quotations were very steady, supported by firm undertones that stemmed from the well supported price position in the primary market. Imports last week totaled 19 bales from Capetown, South Africa.

**Jaborandi**—Continued increase of spot supply has resulted in a gain in competition and a loss in price position. Quotations were reduced to the basis of 18c. to 19c. per pound and the tendency was toward further shading.

**Henna**—Arrivals from the primary market have been relatively few of late and the result has been a considerable shrinkage in spot reserves. However, enough material appeared to be in store to care for demand at its present moderate volume.

**Marjoram**—Most prices held steady and unchanged but quotations on resifted French material were advanced to 42c. to 43c. per pound.

**Sage**—Dalmatian sage of excellent quality was slightly easier most of last week and quotations were reduced to 29c. to 29½c. per pound.

**Savory**—A quiet improvement in small lot sales gave substantial support to spot quotations throughout the past week and by the close of the period, some suppliers had a tendency to make fractional advances in price.

**Stramonium**—Some gain in sales was reported at times last week but on the whole trading was routine in character and sufficient in volume to support recent quotations firmly.

**Thyme**—Spanish material ruled in steadier position all last week and the recent downward movement in prices was not extended in view of the gain in buying interest. Replacement cost on Spanish and French herbs was firm.

## Miscellaneous

**Cantharides**—These flies have not been mentioned much for some time past but a check on the market showed prices to be inert and fairly stable in most instances. Stocks were sufficient to cover a rise in needs.

**Corn Silk**—Further additions to spot stocks totaled 123 bales that reached here last week from Oporto, Portugal. Supply was said to be generally sufficient to cope with present takings by consumers, the total of which were said to be fair last week. Prices were steady.

**Ergot**—To the already substantial supply of ergot in this country, sixty drums from Oporto, Portugal were added last week. Replacement cost has been such as to curb any downward tendency in prices that might have resulted from the sudden rise in availability of the material.

**Papain**—Prices still reflected relatively high costs in primary markets. Hence, the further arrival of replacement stocks—totalling 169 cases last week—was without adverse effect on local selling prices.

## Roots

**Aletris**—No further recession in price has been noted, spot quotations holding to a level said to be warranted by what was paid for a relatively light collection of the material during the past summer. Also,


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some gain in interest served as a market support.

**Colombo** — Arrivals from the primary market were resumed last week, the total being 580 bags, for which some quarters said there was real and increasing need. The market undertones strengthened when inquiry increased during the period under review.

**Galangal**—China has not shipped much of this article for some time past. However, a fair reserve supply on spot has kept buyers well supplied and the more active trading reported by some last week served to support prices fully.

**Goldenseal**—The quiet character of demand, either for home or export account, tended to keep prices on this article subject to some unsettlement. However, prime suppliers indicated that declines had run to considerable length and a move toward greater stability was not indicated.

**Rhubarb**—Competition broke out afresh last week. Arrival of substantial quantities of old-time, high dried, common round Shensi root has resulted in most quarters actually liquidating tneir stocks of India root. The Chinese root is apparently freshly gathered material, since it is free from the miseries that long storage bring to almost any botanical merchandise. Prices were down to the basis of 65c. to 67c. per pound for whole root and 70c. to 72c. for powder.

**Senega**—The advance has stopped, but leading factors in the item indicated that replacement cost has been maintained at higher levels and that despite the recession in prompt delivery call, prices continued to show considerable strength.

## Seeds

**Anise**—Sellers reported a gain in inquiries for export quantities of this material and prices stiffened as a result. Chinese star anise advanced to 14½c. to 15c. per pound. All others tended upward.

**Caraway**—The market was dull. Some felt that the national conservation of grains might lead to a lessened production of bread carrying caraway seed.

**Cardamom**—The market was relatively steady. Demand was mainly for small lots, but they were secured on the basis of fully firm prices. Replacement cost cabled from primary markets was well maintained.

**Coriander**—Reports locally indicated that while some substantial quantities had arrived, sales made prior to the arrival of the merchandise still left the spot poorly supplied with prompt delivery seed. Argentine seed advanced to 9½c. to 9¾c. per pound. Arrivals last week were: From Buenos Aires, Argentina, 1,982 bags; from Tangiers, 188 bags; from Casablanca, Morocco, 300 bags.

**Cumin**—The market feature last week was the increase in inquiries for this article on export account. The rise in interest failed to bring a change in quotations on Syrian and Persian seed, the varieties available in the absence of Moroccan goods.

**Mustard**—Dutch yellow was advanced to 18c. to 18½c. per pound. Also, cables from Holland stated that the absence of greater interest in export parcels offered by that country had led to a slash in the export bounty.

**Poppy**—Scarcity still combined with demand to push prices steadily higher. By the end of last week Argentine seed stood at 21½c. to 22c. per pound; Danish, 24½c. to 25c.; Dutch, spot, 26c. to 26½c.; and Turkish, 20½c. to 21c.

**Quince**—After an extended period of substantial price firmness, this article was reduced last week to the basis of $1.20 to $1.80 per pound, depending on quality and in keeping with availability and replacement costs.

## Spices

**Allspice**—A Mexican shipper prominent in the prewar period as a shipper of this article is about to re-enter this market through a new agent.

**Cassia**—Selected China rolls were reduced to 11½c. to 12c. per pound. All medium Saigon cassia was severely and sharply higher at 16¾c. to 17¼c.; all thin, up to 45c. to 46c., both advances reflecting a shift in replacement costs in the primary market.

**Clove**—The market continued to move higher. Zanzibar spice on spot became 16¾c. to 17¼c. per pound. Madagascar spice, spot, went to 14½c. to 15c. and futures were higher at 12c. to 12½c.

**Pepper**—Black pepper ended the week by scoring a moderate rise to the basis of 53c. to 54c. per pound. Distant futures were offered at 41c. to 42c., while those nearby could be bought at 49c. to 50c.

### Markets at Other Centers

*Los Angeles, Oct.* 30.—Market slow, supplies good. However, prices were unchanged.

Marjoram—French type, 35c. per pound in dried form.

Sage—Dalmatian type, 28c. per pound for lots containing less than 12 percent stems.

Savory—French type, 25c. to 30c. per pound.

Sweet Basil—85c. per pound for lots containing less than 12 percent stems.

Thyme—French type, 70c. per pound in dried and clean form.

## McCormick Honored By Management Society

Charles P. McCormick, president and chairman of McCormick & Co., spices and flavoring extracts, Baltimore, was presented with the "Human Relations Award" by the Society for the Advancement of Management at its meeting last week in Cincinnati. The award was presented for "outstanding performance in the development of human relations in industry in 1946."

## *Trade Briefs*

**Schilling-Hillier,** Rio de Janiero, Brazil, will manufacture and distribute the products of Bristol-Myers Company, New York, in Brazil.

**Borneo** is considering the creation of experimental gardens for new commercial herbs to be laid out near Samarinda, according to Aneta.

**New York State Pharmaceutical** Association will ask the New York State Legislature to consider at its next session, a law barring pharmacists from advertising "cut rate" prices.

**Francis X Dealy,** who was responsible for many of the newer developments in the filtration industry, has been appointed vice-president in charge of sales for Republic Filters, Inc., Newark, N. J. He was formerly secretary and sales manager of Ertel Engineering Corporation.


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# Essential Oils, Other Aromatics

Business conditions in the essential oils and aromatic chemicals industries held to a fairly good level during the week just past and dealers were encouraged by increased turnovers that indicated an active Winter.

Despite a number of minor price decreases in the essential oils market, the weekly price index dropped off less than one point. The price drops amounted to 15 in essential oils but they were largely offset by greater increases on three other products. The aromatic chemicals field was reported undisturbed by price changes.

Bergamot, coriander and geranium showed strength because supplies were not quite up to demand. Dillweed reversed itself and slid downward somewhat, after clinmbing steadily for some weeks, but because of the delicate supply and demand balance it could not be accurately forecast what the oil might do next. Bois de rose, Brazil, and petitgrain from Paraguay also dropped, but that was expected because of the abundance of supply. The mint oils were also down and Ceylon citronella also decreased, but only slightly.

One dealer reported that he had witnessed a sudden spurt in buying in the last few weeks and attributed this largely to the Thanksgiving and Christmas holiday preparations. He anticipated a Winter of brisk activity.

"Business has been showing signs of a steady pickup, although there is no particular product or group of products that is leading the advance," an executive in another large house stated. "In general, the entire market seems to have improved. We are not up to our level of early last Spring but we are far ahead of the sluggish times we witnessed during the Summer months," he stated.

Other dealers commented along similar lines and while they could give no particular reasons for the improved tone, they were inclined to attribute it to general business conditions, coupled with the normal increases brought about by the approaching holiday season. Most of the increased inquiries and orders were said to be coming from the manufacturers of cosmetics, toiletries, and flavorings, as well as from the large baking companies and food packers.

On the whole, the export business was good, with the South and Central American countries buying in good quantity. Europe was said to be eager to purchase American goods and was doing it as far as able, but the shortage of dollars was having its effect and dealers here said they felt that if there were more money abroad they would be able to sell to Europe in much greater quantities.

France was said to be particularly desirous of buying goods from the United States, but, like most of Europe, was affected by money difficulties. There were no reports of such difficulties with the South and Central American countries and trade in that section of the world was said to be freer.

The import situation was reported to have improved considerably and there were few products that dealers here were having trouble in obtaining. Imports were particularly good from South America and the East, although as usual dealers were having their troubles in trying to buy from Russia. This was not very serious, however, because the Russian products were not in particularly heavy demand.

## *Market Trends*

**Prices Advanced**

Bergamot oil, natural, Italian, 30c. per lb.
Coriander oil, $1 per lb.
Geranium oil, Bourbon, 70c., per lb.

**Prices Reduced**

Bay oil, 55-60%, 15c. per lb.
Bois de rose oil, Brazil, 30c. per lb.
Cajeput oil, redistilled, USP IX, 15c. per lb.
Caraway oil, NF, 10c. per lb.
Cassia oil, USP, 35c. per lb.
Cedarleaf oil, USP, 10c. per lb.
Citronella oil, Ceylon, 5c. per lb.
Clove oil, USP, 5c. per lb.
Dillweed oil, 25c. per lb.
Lime oil, distilled, Mexican, 20c. per lb.
West Indian, 20c. per lb.
Peppermint oil, natural, 15c. per lb.
redistilled, USP, 5c. per lb.
Petitgrain oil, Paraguay, 5c. per lb.
Spearmint oil, 25c. per lb.
Thyme oil, NF, red, 10c. per lb.
Wormwood oil, 50c. per lb.

**Comparative Price Indexes**

(100=August 1, 1914)

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 147.5 | 148.4 | 153.4 | 228.5 |

*(For Current Prices see Page 9)*

## Essential Oils

**Bay**—The 55-60% product went down in price by 15c. a pound on the inside of the range last week to establish new quotations of $1.20 to $1.45. The other grades of bay remained unchanged as to price and the only additional item of interest was the arrival in New York of 27 cases of the oil from the Leeward Islands.

**Bergamot**—With a good demand and only a fair supply, the price of the natural Italian oil rose last week from $4.70 to $5 a pound. Most orders were being taken by the perfume, soap and flavor trades.

**Bois de Rose**—The Brazilian product continued its downward trend last week, with the inside of the range falling off from $3.30 to $3. The outside was unchanged. The oil was still arriving in this country in large quantities and the demand for it was not great enough to absorb the supply.

**Cajeput**—The redistilled USP IX dropped in price by 15c. a pound last week to establish a new range of $2.35 to $3.40. The supply situation was good and dealers felt that the new price would probably hold for some time.

**Caraway**—The NF last week slid off by 10c. a pound on the inside of the range but the outside was unchanged. The new quotations were $5.50 to $6.50. There were no particular changes in the supply and demand pictures.

**Cassia**—A 35c. decrease on the inside of the range was noted for the USP last week, to make the new quotation $2.40 per pound. The outside remained unchanged at $3.75.

**Cedarleaf**—This item came down 10c. a pound on the inside of the range last week, according to quotations received from one dealer, but the outside remained the same. The new range was established at $2.15 to $2.85.

**Cedarwood**—The market for this oil was quiet last week except for the arrival in New York of 15 drums of the product from Mombasa, Africa.

**Citronella**—The Ceylon product took another dip in price last week, although only for the nominal amount of 5c. per pound. The change re-established the range at 75c. to $2.75. The supply and demand situation remained about the same and during the period under review 17 drums of the oil arrived in this country from Guatemala.

**Clove**—A drop of 5c. a pound on the inside of the range was reported for this oil during the week, but otherwise the market was without particular feature. The new range was established at $1.30 to $1.55.

**Coriander**—The difficulty dealers have been having in buying supplies of this product from Russia were reflected last week in increased quotations for the oil. The inside of the range advanced from $26 to $27 and the outside went up from $29 to $30. Added to a tight supply situation was a heavy demand for the oil, particularly from the pickling and meat packing trades.

**Dillseed** — This product remained unchanged as to price last week, and some dealers reported that they were no longer handling it because of the light demand. The range was $4.25 to $7.

**Dillweed**—This product came down in price last week both on the inside and outside of the range, much to the surprise of many observers. It had risen steadily of late because of short supplies and a heavy demand, but last wek that trend was reversed. Some dealers reported that they had considerable stocks on hand and were able to sell the oil at a lesser price. Quotations dropped from $5.25 to $5 on the inside and from $6.10 to $5.75 on the outside. The $5 figure was considered fairly low, however, and most dealers were inclined to quote slightly higher figures.

**Geranium**—The Bourbon oil increased 70c. a pound on the inside of the range last week, to establish quotations at $11 to $14.50. Supply was fairly good in the United States and it was reported that large shipments of the product were afloat. Demand ranged from fair to good, with most orders coming from soap and perfume makers. Government reports received during the week indicated that during the first half of 1947 exports of geranium oil from Reunion amounted to 17,000 kilograms, valued at 29,899,000 francs. Of this total France imported 10,700 kilograms, with a value of 18,365,000 francs; Madagascar took 1,500 kilograms, valued at 2,792,000 francs; England received 200 kilograms, worth 456,000 francs, and the United States received 4,600 kilograms which were valued at 8,286,000 francs.

**Lavender**—The various products showed no change in price last week and the market was generally quiet. According to recently released government figures, declared

*For Late Market Developments, See Page 4*

exports of lavender oil from French Morocco to the United States during the second quarter of 1947 amounted to 50 kilograms, with a value of $1,218.

**Lime**—The distilled Mexican oil decreased in price by 20c. a pound on the inside of the range last week to establish a new figure of $3.80, while the outside remained unchanged at $5.15. The distilled West Indian went down in price on the inside by 20c. but the outside remained unchanged. The new range was $4.65 to $6.30. During the period under review 45 cases of lime oil were received in New York from Trinidad.

**Orange** — During the week under review 21 cases of this oil were received in New York from Beira, Portugal, and eight cases from Santos, Brazil, but otherwise the market was quiet. Some dealers were still not stocking the Messina product because the poor quality of that particular type had made it something of a drug on the market.

**Pennyroyal**—Trading in this product durin the past week was dull. The supply and demand pictures remained about the same and there were no reported price changes. Some dealers reported that they were without supplies of the oil.

**Peppermint**—One major dealer last week reported a new price of $7.85 for the natural oil, which was a decrease of 15c. from the pervious listing. The outside remained unchanged at $8.75. The redistilled USP was also reported down in price. A 5c. decrease was reported on the inside of the range, making the new quotations $8.35 to $9.60.

**Petitgrain**—Abundant supplies of this oil from Paraguay last week resulted in a reported drop of 5c. a pound on the inside of the range, which re-established quotations at $3.20 to $4.30. During the week 40 cases of the oil were received by one New York dealer from Buenos Aires.

**Spearmint**—A decrease of 25c. a pound was reported for this oil during the period under review. One dealer announced a new price of $7 on the inside although the outside remained unchanged at $11. There were no particular changes in the supply and demand pictures.

**Tansy**—The market for this oil was dull last week and some dealers reported that they were carrying no stocks of the product.

**Thyme**—The NF, red, dropped 10c. a pound on the inside of the range last week but the outside remained firm. Quotations were listed from $2.65 to $3.30. The supply and demand situation was reported to be about the same.

**Vetiver**—The market for this oil was quiet last week with regard to price as well as to supply and demand. The only item of interest was a recent government release which revealed that total exports of vetiver from Reunion during the first six months of this year amounted to 5,300 kilograms, with a value of 20,159,000 francs. The chief destinations were as follows:—France, 4,700 kilograms, valued at 17,888,000 francs; England, 200 kilograms, with a value of 699,000


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francs; and the United States, 400 kilograms, with a value of 1,572,000 francs.

**Wintergreen**—The natural southern product was unchanged as to price on the inside of the range last week but one dealer reported advancing the outside price from $6 to $6.50. The inside was $3.65.

**Wormseed** — There were no reported changes in the $3.85 to $5.50 range for this oil during the week. Dealers reported that there was a fairly heavy demand, however, for the product in Europe where it was needed as a vermifuge.

**Wormwood**—This oil decreased from $9.50 to $9 on the inside of the range last week but the outside remained unchanged at $13.50. Supplies were abundant but demand was negligible and for that reason some dealers were not bothering to stock the product.

**Ylang Ylang**—A total of 500 kilograms of this oil was exported from Reunion during the first half of this year, with the entire amount destined for France. The value of the shipments was placed at 669,000 francs.

## Aromatic Chemicals

**Citronellal**—This product, as well as citronellol and hydroxycitronellal, remained firm on the market last week despite changes and anticipated changes in the prices of the different citronella oils from which they are derived. Citronella from Ceylon followed its previous trend and took a slight dip in price, while the Java product was expected to go up should the efforts of the Dutch succeed in trying to peg the price of the oil in the Netherlands East Indies.

**Linalool**—This item, along with linalyl acetate, both of which are derived from Brazilian bois de rose, showed no change on last week's market, although they had come down slightly a few weeks ago when the bois de rose began to drop. That product fell off slightly again last week but the aromatic derivatives showed no immediate effect.

**Menthol**—No stocks of natural oil of mentha arvensis or the so-called Japanese peppermint oil from which menthol is obtained, were available on Formosa, both official and private sources recently revealed. Estimates of the acreage devoted to the cultivation of the mint were unobtainable. The official Taiwan Chemical Industry Company reported that only a very small amount of the mint was being produced by that organization and was being used entirely in the manufacture of menthol, while additional requirements of the islands were met through imports from the Chinese mainland.

## Toilet Goods Stability Predicted by Brooks

Speaking before the annual fall drug show of the New York Pharmaceutical Council last week, Herman Brooks, of Alexandra De Markoff, honorary chairman of the Toilet Goods Association, predicted that the industry "will again be on a stable basis" by spring or fall of next year.

He pointed out that although the wartime boom in business is over, at least from the manufacturer's point of view, excise figures for this year through August show a retail decline in business of only from 5 to 7 percent at the most. Against this decline, he brought out the fact that the industry has had an increase of 75 percent during the years 1940-46.

He warned retail druggists to guard against attacks on the fair trade laws and urged them to follow the example of chain, department and specialty stores in including improved toilet-goods departments in their expansion plans. In conclusion he objected to any suggestion that the excise tax on cosmetics be shifted to the manufacturers, claiming that the industry has absorbed all the increased costs possible.

## E.I.Lowell Appoints Mandell General Manager

The incorporation and expansion of the aromatics and essential oil business of Edward I. Lowell, New York, was announced last week by the president, Mr. Lowell. Martin Mandell has joined the company as general manager, additional laboratory personnel has been added, and new members will be assigned to the sales staff. A new and completely revised line of flavoring will be announced in the near future.

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# Petroleum Derivatives

Reflecting the crude oil advances in price which were put into effect October 15 in the Midwest area, several large producers and some smaller ones in this area have made upward price adjustments in solvents, gasolines, fuel oil, and other distillates.

Prices of aromatic petroleum solvents remained essentially unchanged last week as the effect of current price rises had not yet reached these materials. Supplies were generally ample to meet the demand with respect to both the pure aromatic solvents and the aromatic aliphatic blends.

The picture on aliphatic solvents remained essentially unchanged from the standpoint of supply and demand, a somewhat tight market position prevailing. Prices, however, were advanced in line with other distillates by some three-quarter to one cent per gallon by several producers in the Midwest area, with other producers expected to follow along. On the West coast, prices held firm. One large East Coast producer advanced prices late last week on solvents, fuels, and other distillates. Advances ranged from 0.3 to 3 cents per gallon depending on the product.

The gasoline situation continued short in certain areas, but there was no cause for alarm. Fuel oils however, were being viewed critically from many sources because a shortage was expected to develop in view of the unprecedented demand. Some producers issued press releases urging home owners to use their heaters only when absolutely necessary, and exercise all precaution to conserve fuel wherever possible. New refining, transportation and storage facilities were reported to be necessary in order to increase the supply to meet the demand. While the supply of petroleum was greater than ever before, consumption is higher than at anytime in history, exceeding the 1945 level at the peak of war.

Lighter fractions such as propane and butane held steady in the market under strong demand, while paraffin oil remained tight under pressure from special lubricating demands. Microcrystalline wax was removed from the export positive list, but other mineral waxes in schedule B continued thereon.

Western Pennsylvania refinery products were in heavy demand, generally at firm prices. All lubes were quite tight on the open market as the expected easement in bright stock failed to materialize.

### *Market Trends*

**Prices Advanced**

None

**Prices Reduced**

None

*(For Current Prices see Page 9)*

## Solvents and Diluents

**Aromatic Solvents**—Prices on aromatic solvents held firm last week, as the recent advance in the price of crudes remained undetermined in their effect upon these solvents. Supplies were in general ample to meet demand. Certain producers were operating on a flexible production basis by virtue of their production capacity and could fluctuate schedules to meet demand. Other producers with more limited production facilities for the manufacture of aromatic solvents regulated sales efforts in accordance with what they could produce. Toluol and xylol were moving in heavy volume, with demand for toluol from the protective coatings and synthetic resin industries on the increase, making toluol slightly tight in relation to xylol. Blended or mixed aromatic/aliphatic combinations of various evaporating rates were said to be readily available, with greater call for the fast evaporating types.

**Cleaners' Naphtha**—Supplies of cleaners' naphtha were in general sufficient to meet demand, but an overall slightly tight situation prevailed which was no more characteristic of cleaners' naphtha than for the other aliphatic solvents. This situation was due in part to the high spot prices of gasoline, together with the transportation shortage. Prices on cleaners' naphtha in the Midwest were advanced from ¾c. to 1c. per gallon by several Midwestern producers.

**Lacquer Diluent**—Strong demand continued for lacquer diluent from the lacquer industry, particularly the industrial finishes section of the lacquer field. This business is currently enjoying an all time peak, which is reflected in the demand for lacquer diluent. The average lacquer contains a solvent combination which is frequently in the range of 50 percent or more aliphatic diluent. These aliphatic fractions must evaporate out of the film faster than the true solvents in order to prevent incompatibility and throwing the lacquer solids out of solution. Hence heptane is widely used in lacquer diluents to promote this fast evaporating effect. Prices on the West coast were as yet unchanged, with advances of ¾c. to 1c. per gallon being effected by several companies in the Midwest. This price revision upward was reported to extend roughly from Ohio to the Rocky Mountains inclusive.

**Mineral Spirits**—This solvent is the largest volume aliphatic solvent used by the paint industry, and expanded operations of the paint industry has created a heavy demand. In most sections, supplies were considered sufficient to meet the demand, although orders were frequently experiencing some delay in shipment. Prices held firm in the coast areas, but while some Midwest producers had not yet acted to advance prices, several large producers in the Midwest area had already advanced solvent prices across the board by ¾c. to 1c. per gallon. This advance, of course, was necessitated by the crude oil price rise which went into effect October 15.

Mineral spirits of the Stoddard specification was in essentially the same position marketwise as was mineral spirits of the regular type, with the exception of being somewhat less plentiful and with certain areas quoting a higher price. In many areas, however, it was being offered at the same price level especially by companies whose entire production of mineral spirits meets the Stoddard specifications.

**Rubber Solvent**—Nothing new developed in the rubber solvent market last week with the exception of price advances in the Midwest areas of ¾c. to 1c. per gallon by several producers. Demand was strong and prices held firm at other points.

**V. M. & P. Naphtha**—The market situation on this aliphatic solvent continued rather tight, particularly in some areas, because insufficient material was not being produced to satisfy the demand. V. M. & P. naphtha demand, as such, was not abnormally high but in view of the pressure on refinery schedules caused by the heavy gasoline demand, supplies were short. In the Midwest prices were advanced from ¾c. to 1c. per gallon by most producers, which reflects the recent crude oil advances which went into effect October 15. One East Coast producer advanced prices late in the week.

## Lighter Fractions

**Butane**—The butane market was stable last week, with the seasonal pickup of demand. The supply picture was regarded as ample and prices held firm at their current levels.

**Heptane**—Heptane was available at its usual price in a steady market with reasonable stocks available.

**Pentane**—Demand continued active at its regular pace. Supplies were regarded as sufficent to meet all ordinary calls, and prices were unchanged.

**Propane**—Supplies were available and the market was hampered only by the shortage of pressure vessels for shipment, creating a tight supply situation from the consumer angle. Prices held firm in the face of considerable demand.

## Miscellaneous

**Crude Oil**—Crude oil prices held firm at the current levels established by the advances set October 15. This price advance was attributed, among other things, to the unprecedented demand for crude oil, and the resulting practice of much trading in crude oil being done on a premium basis. The price boost on crude, generally referred to as a 20c. per barrel rise, was in many cases a considerably larger rise, especially for the higher gravity types which advanced as much as 42c. per barrel.

A large eastern producer handled at refineries during the first nine months of this year, some 19,900,000 barrels more of crude oil than last year. This represented an increase in output of some 12 percent. This picture reflects the overall upward trend of refinery operations all over the country, with crude oil running to stills in amounts representing a new peak level. Imported last week were some 468,775 barrels of crude.

**Gasoline**—The tremendously heavy demand for gasoline continued last week, as good motoring weather continued. The price of gasolines in the Midwest was advanced by most producers from ¾c. to 1c. per gallon as a result of the recent crude advance.

**Paraffin Oil**—Oil of paraffin was tight last week under heavy demand for special lubricating purposes. Prices held firm at levels established some weeks ago.

### *Crude Oil Stocks*

Stocks of domestic and foreign crude petroleum at the close of the week ended October 18 totaled 222,430,000 barrels, according to the Bureau of Mines. Compared with the total of 222,433,000 barrels for the preceding week, this represented a decrease of 3,000 barrels comprising an increase of 402,000 barrels in stocks of domestic crude and a decrease of 405,000 barrels in stocks of foreign crude. Heavy crude oil stocks in California, not included in the gasoline-bearing stocks, totaled 5,395,000 barrels, an increase of 150,000 barrels from the previous week.

*For Late Market Developments, See Page 4*

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|---|---|---|---|---|---|
| 1035 | 2 Max. | 195/200 | 2 to 2½ | Nil | Nil |
| 1010 | 2 Max. | 195/200 | 1 to 1½ | Nil | Nil |
| 700 | 5 Max. | 190/195 | 2 to 2½ | Nil | Nil |

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| | | | | | |
|---|---|---|---|---|---|
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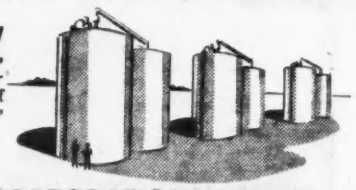

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| Cobalt 6% | A - A2 | A1 |
| Manganese 6% | A - A2 | A1 |
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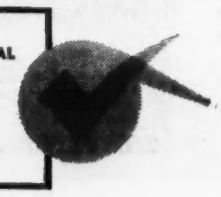



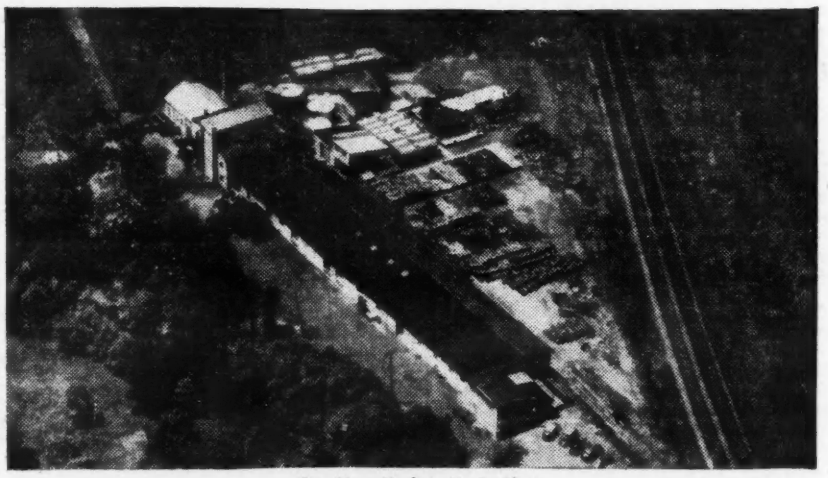

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# Protective Coatings Materials

Price activity in the protective coatings market during the week was confined to animal drying oils, animal fatty acids and casein. However, there were strong indications in the market that producers were preparing upward adjustments of price schedules, notably in oleates and stearates.

Prime pigments were firm in the main. Supplies were said to be improving in lead pigments, a development which permitted a leading supplier to discard a long-practiced quota system on orders. Some tightening of lead stocks was expected to crop up during the rest of the year, but, since demand from paint manufacturers generally slumps during the winter months, pigment suppliers anticipated no difficulty in keeping pace with requirements. Both aluminum paste and powder were reported in good supply, as was zirconium oxide.

There were some minor price changes in the synthetic resins section during the week, several leading producers of alkyd resins and phenolic resins advancing and reducing prices 1½c. to 2½c. per pound and 1c. per pound on certain grades, respectively. The expected general advance in shorter oil-length alkyds, however, failed to materialize.

Natural resins were generally quiet last week, with continued interest reported for dammars and Macassar DBB. Lacquer materials were also firm, as greater quantities of acetyltributyl citrate and acetyltriethyl citrate were said to be available on the domestic market.

Animal drying oils advanced 3c. to 6c. per pound, while animal fatty acids were upped 3c. to 7¼c. per pound. At the same time, domestic, acid-precipitated casein declined 1c. per pound, while the imported product was down 1½c. per pound.

Developments in related markets, however, indicated that the protective coatings market was due for another series of increases. Firstly, petroleum solvents were expected to go up ½c. to 1c. per gallon. Then, the recent strength in red and linseed oils was believed to have compelled producers of oleates to adjust their quotations accordingly. Stearates also were believed due for a rise, in view of the continued strength in tallow and the 2c. per pound increase in stearic acid last week.

## *Market Trends*

**Prices Advanced**

Animal drying oils, 3c. to 6c. per lb.
Animal fatty acids, 3c. to 7¼c. per lb.

**Prices Reduced**

Casein, dom., acid-precip., 1c. per lb.
imp., acid-precip., 1½c. per lb.

**Comparative Price Indexes**

(100=August 1, 1914)

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 181.0 | 181.0 | 181.0 | 155.4 |

*(For Current Prices see Page 9)*

## Prime Pigments

**Aluminum Paste**—Prompt deliveries were being made last week as this material continued in good supply. Demand was reported to be picking up following the normal seasonal slump during the summer months. Prices were firm and were expected to remain so at 56c. to 60c. per pound for the lining, extra-fine grade, 71c. per pound, ink, and 38c. per pound for the standard type.

**Aluminum Powder**—Quotations on this material during the week were firm at 93c. per pound for the lining, extra-fine grade, 62c. to 64c. per pound, litho product, 62c. per pound, standard, 47c. per pound, rubber composition, 43c. to 44c. per pound, unpolished, standard material, and 47c. per pound for the varnish grade. Good quantities of this pigment were said to be available to meet the increasing demand.

**Black, Carbon**—Channel grades of this pigment were still said to be in short supply last week, as demand continued very active. Furnace grades, however, were said to be available in any amount on prompt shipment.

**Iron Oxide**—Imports last week totaled 10 casks of the material from Liverpool. Market-wise, this section remained firm, with demand continuing strong and supply on the short side, particularly for Persian Gulf and Spanish oxides.

**Lead Pigments**—This section of the market last week was said to be improving, owing largely to an easement in supplies in recent weeks. A major producer, in fact, has removed a long-held allocation system on orders, as production was said to have reached a point where most current requirements were being met in reasonable quantities on an immediate basis. Although lead stocks were expected to tighten up during the remainder of the year, suppliers anticipated no difficulty in handling paint requirements, since demand from manufacturers of these materials generally declines in November and continues off throughout the winter months. Meanwhile, suppliers were reported to be anxious to accumulate inventories to meet an expected boom in house paints next spring. The price structure, at the same time, stood fast at previous levels. Litharge, which is a storage battery material, was also said to be easier, and the same market conditions prevailed as for lead pigments.

**Lithopone**—No change in the market condition of this material was reported during the week. Demand was said to be heavy, with buyers absorbing all current production on a quota basis. There was no indication in the market last week of an early removal of allocation plans by major producers. Prices were unchanged during the period under review.

**Ochers**—Recent reports from Madrid reveal that Spain's exports of ochers in the first quarter of 1947 were more than double those in the corresponding period last year. They amounted to 1,572 and 3,720 metric tons, respectively. Argentina and the United States were the principal customers.

**Zinc Pigments**—The market condition of these materials were firm last week, as demand continued intense and prices retained levels of previous weeks. Producers said that shipments in good amounts were going out to regular customers on a quota basis, but that there was no sign of an early removal of present allocation systems.

**Zirconium Oxide**—The supply situation of this material was reported to be very good last week, with stocks of the raw material readily available in any amount. A leading supplier said that production this year has far exceeded last year's output and that this firm expects to turn out an estimated 18,000 tons of zirconium products this year. Demand, meanwhile, was said to be somewhat spotty during recent weeks, following a strong spurt in buying in September. August was said to have been a little spotty, owing mainly to vacation shutdowns in the ceramics industry. Inquiries from abroad were reported to be increasingly heavy, with Australia and South America in the forefront. Australian business was said to be 1,000 percent above that of last year, a relatively recent development arising from the expansion of the ceramics industry in that country. Among new developments in this section were said to be the use of zirconium oxide in optical glass polishing. At the same time, zirconium solvents were reported to have been found to give a better color intensity in pigment lakes and toners, retarding color "bleed," or the seepage of one coat of paint pigment into another. In addition, zirconium toners were claimed to give equal color intensity with molybdenum and tugnsten phosphates at a cheaper price. The price structure of zirconium oxide was firm during the week, as it has been for some time now, and no increases were expected during the remainder of the year. Current market quotations follow:—zirconium oxide, 88 percent, 92 percent, ground, 25c. per pound in barrels, f.o.b. works; 98½ to 99 percent, white, ground, $1.50 per pound in bags, works, and milled, electric-fused, 59c. per pound, carloads in bags, 59½c. per pound, five tons, and 60c. to 63c. per pound, 2,000 pounds and less.

## Fillers and Extenders

**Calcium Carbonate**—Imports during the week amounted to 620 bags of precipitated chalk from Liverpool. There was no change in the market last week, as all factors held firm at former levels.

**Mica**—This section was firm following the recent ¼c. to ¾c. per pound increases by major producers. Supply-wise, stocks were said to be ample and demand was described as normal.

**Pyrophyllite**—Demand from the paint and insecticide industries continued off during the week, the buying decline in the latter being described as seasonal. Supplies were free and prices were firm.

## Synthetic Resins

**Alkyd Resins**—Despite the establishment of a general contract price for phthalic anhydride at 17½c. per pound on November 1, market quotations on these resins last week for the most part held fast at previous listings. A leading producer, how-

*For Late Market Developments, See Page 4*

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ever, upped the price on two grades of alkyds 1½c. and 2½c. per pound, respectively. There was no indication in the market during the week when the expected reduction on shorter oil-length resins would be brought about.

**Ester Gums**—No appreciable change was noted in this section of the market last week, as supply continued to keep pace with demand on all true ester gums. Pentaerythritol esters, which are a particular type of synthetic resins, were also favored with a more or less balanced market condition.

**Hydrocarbon Resins** — Following last month's minor change in quotations by a major producer, these materials were steady during the past month. Supply and demand conditions continued on a par with previous levels.

**Phenolic Resins**—A leading producer of these materials last week announced a 1c. per pound reduction on one grade of phenolic resins. Other producers, meanwhile, retained previous price listings. Supply-wise, the major development in this section was the recently-reported easement in alkyl-substituted phenolics, which arose from the increase in stocks of amyl and butyl phenols. Regular phenolics and cresylic-type materials continued unchanged, the former in good supply and the latter tight.

## Natural Resins

Materials in this section maintained a stable course during the week, as quotations in the market here showed firmness despite the continuing instability of conditions abroad. Greater interest was reported in natural gums during the week, particularly in dammars and Macassar DBB. Prices on Batavia AE and E ranged between 27c. to 29c. per pound and 18½c. to 20½c. per pound, respectively. Singapore No. 1 sold at 27½c. to 29½c. per pound, while the No. 2 grade was quoted at 24c. to 26c. per pound. Prices asked by importers on Macassar DBB during the week varied between 24c. to 25c. per pound. Imports last week totaled 103 bags of copal gum from Manila.

## Lacquer Materials

**Acetyltributyl Citrate**—Supplies of this material last week were said to be more freely available for domestic manufacturing purposes, although insufficient to cope with the increased export inquiry. Prices were firm at 43c. to 51c. per pound in drums and 54c. per pound in smaller packages.

**Acetyltriethyl Citrate**—Domestic demand was reported to be improving during the week along with the general supply situation. Inquiries from abroad have stepped up somewhat in recent weeks, but producers said that stocks, though on the upgrade, are still too small to allow them to take on export business. Prices were steady at 36c. to 44c. per pound in drums and 47c. per pound in smaller packages.

## Miscellaneous Materials

**Animal Drying Oils**—These materials were advanced during the week 3c. to 6c. per pound, the increases varying with the grade.

**Animal Fatty Acids**—Increases of 3c. to 7¼c. per pound were effected on these materials last week by major producers, the advances corresponding to the grade.

**Asbestos**—Imports of this material during the week totaled 7,376 bags from Beira, Lourenco, Marques and Capetown. Short-fibered asbestos continued to be readily available last week, although the long-fibered product was still reported to be as scarce as ever. The price structure, at the same time, remained firm.

**Casein**—Imports last week were registered at 3,032 bags from Buenos Aaires. In the market, declines were registered for both the domestic and imported, acid-precipitated material, 1c. and 1½c. per pound, respectively. The former was quoted at 31c. to 33c. per pound, while the Argentine material sold at 29½c. to 31½c. per pound. Buying was slow.

**Gypsum**—Imported last week were 21,164 tons of gypsum from Hautsport, Walton and Dingwall.

**Oleates**—Expected increases in these materials failed to materialize last week, but producers indicated that the strength shown in red oil would compel them to advance quotations shortly.

**Stearates**—Increases were expected late last week as tallow continued strong and stearic acid posted a 2c. per pound advance. Most producers were believed to be preparing new price schedules to allow for both the latest stearic acid increases as well as those of a few weeks ago.

**Titanates**—A firm tone was reported for these materials last week, as demand was said to be somewhat spotty and supply was ample. Current market quotations follow:—potassium titanate, 12c. per pound, carload quantities, 12¼c. per pound, five tons and 12½c. to 13c., 2,000 pounds and less; sodium titanate, 10c. per pound, carlots, 10¼c. per pound, five tons and 10½c. to 13½c. per pound, 2,000 pounds and less. All the above materials are packed in special cartons.

## Naval Stores

Although recent storms were said to have cut production in Southern gum rosin and gum turpentine areas by an estimated 15 percent, naval stores were firm on the New York market last week. Demand for pine-tar was said to have picked up noticeably in recent weeks and there were expectations in some quarters that buying would continue heavy throughout the remainder of the year. Demand for such materials as dipentene, wood rosin and turpentine was described as normal. Although stocks were expected to tighten within the very near future, supplies during the week were said to be reasonably good for most materials. Gum rosin on the Savannah market, meanwhile, showed advances of 15c. per hundred pounds for two lower grades and declines of 10c. to 66c. per hundredweight ranging with the grade. Grades E and F were up 15c. per hundredweight, while grades G, H and I declined 10c. K, M and N were down 26c., and WG dropped 42c. per hundred pounds. WW and X progressively slumped 66c. during the week. Grades B and D were unchanged at $6.50 pre hundred pounds. Gum turpentine advanced ½c. per gallon on Monday to 62½c., but dropped to 62¼c. on Friday, a net gain of ¼c. per gallon.

*Savannah, Oct. 31.*—Following is a record of the turpentine market for the week:—

| | Bulk, gallons—Cents | Sales. | Barrels—Receipts. | Shipments. | On hand. |
|---|---|---|---|---|---|
| Monday | 62 | ... | ... | ... | 11,102 |
| Tuesday | 62½ | 120 | 142 | 2 | 11,242 |
| Wednesday | 62½ | ... | ... | 113 | 11,129 |
| Thursday | 62½ | ... | ... | 189 | 10,940 |
| Friday | ... | ... | ... | ... | ... |
| Friday | 62½ | 160 | 156 | 167 | 10,929 |

*Savannah, Oct. 31.*—Following is a record of the rosin market for the week:—

| | Price per unit—Low of range quoted Mon. | Tues. | Wed. | Thurs. | Fri. |
|---|---|---|---|---|---|
| B | $6.50 | $6.50 | $6.50 | $6.50 | $6.50 |
| D | 6.50 | 6.50 | 6.50 | 6.50 | 6.50 |
| E | 6.90 | 6.90 | 6.90 | 6.90 | 6.90 |
| F | 6.90 | 6.90 | 6.90 | 6.90 | 6.90 |
| G | 8.90 | 8.90 | 8.85 | 8.75 | 8.75 |
| H | 8.90 | 8.90 | 8.85 | 8.75 | 8.75 |
| I | 8.90 | 8.90 | 8.85 | 8.75 | 8.75 |
| K | 9.03 | 9.03 | 8.85 | 8.75 | 8.75 |
| M | 9.03 | 9.03 | 8.85 | 8.75 | 8.75 |
| N | 9.03 | 9.03 | 8.85 | 8.75 | 8.75 |
| WG | 9.16 | 9.10 | 9.07 | 8.85 | 8.80 |
| WW | 9.32 | 9.22 | 9.14 | 9.05 | 8.80 |
| X | 9.72 | 9.22 | 9.14 | 9.05 | 8.80 |
| | Barrels— | | | | |
| Sales | 226 | 390 | 285 | 225 | 200 |
| Receipts | ... | 537 | 436 | 37 | 175 |
| Shipments | ... | ... | 200 | 124 | 253 |
| Stocks | 10,359 | 10,876 | 11,112 | 11,025 | 10,947 |

## Sherwin-Williams Names Two To Automotive Division

Sherwin-Williams Company, Cleveland, Ohio, has appointed E. W. Windsor general manager and Norman A. Paelke sales manager of its automotive sales division. Mr. Windsor, who has been aiding in the development of the company's special products sales department, was formerly a member of the automotive sales division and played an important part in the building of its sales volume.

Mr. Paelke has been with the organization since 1926, and received his training in both the industrial and automotive sales fields at its Cleveland headquarters. For the past several years he has headed graphic arts and automitive finishes sales in the North Atlantic district.

## Paisley Products Names Two Branch Managers

Paisley Products, Inc., adhesives manufacturer, New York, has appointed Percy P. Morningstar manager of its New England branch and has named Sam Stewart to direct its branch office in Philadelphia. Mr. Morningstar will make his headquarters at 79 Milk street, Boston, and Mr. Stewart will maintain offices at Fifteenth and Market streets.

## Cramer Vice-Chairman of ACS Rubber Chemistry Division

Dr. Howard I. Cramer, director of development of Sharples Chemicals, Inc., Philadelphia, has been elected vice-chairman of the division of rubber chemistry and technology of the American Chemical Society. B. S. Garvey of Sharples was named to represent rubber chemists of the Philadelphia area on the division's board of directors. Also on the board are A. M. Neal and S. G. Byam, of E. I. du Pont de Nemours & Company, Wilmington, Del.

## New York Paint Group To Meet December 3

The specialized production finishes sales group of the New York Paint, Varnish and Lacquer Association will meet at the Pennsylvania hotel on December 3. The meeting was formerly scheduled to be held on November 27.

## Thompson & Co. Celebrates 100 Years in Paint Trade

In commemoration of its 100th anniversary, Thompson & Co., protective coatings manufacturer, Oakmont, Pa., has issued a brochure picturing its history, production facilities and products. The company had its beginning in 1847 with the construction in Pittsburgh of the first linseed oil mill west of the Allegheny mountains. In 1890 Edward Thompson, son of the founder, John Thompson, started a small paint factory near the mill.

John V. Thompson, current president, joined the company in 1919 as production manager and treasurer. He was elected vice-president and general manager in 1924 and, upon the retirement of his father, Edward Thompson, in 1936, was named president. Other officers of the company are:—D. D. Munroe, vice-president and sales manager; E. K. Thompson, secretary and advertising manager; John E. Pyron, treasurer and purchasing agent; Adam W. Tritsch, assistant treasurer, and Gertrude H. Overholt, assistant secretary.

### Bemis Bro. Receives Publication Award

Bemis Bro. Bag Company, St. Louis, Mo., has received the "First Award of Excellence," for internal company publications in the St. Louis area, for its employee magazine, "Bemistory." The award was made by the Industrial Press Association of Greater St. Louis and was based on achievement of purpose, editorial content and physical appearance.

## N.Y. Paint Technicians To Meet November 12

A talk by Henry F. Payne, of American Cyanamid Company, and the showing of that company's motion picture, "Science in Resin Development," will feature the meeting of the New York Paint and Varnish Production Club, to be held at the Building Trades Employers Association on November 12. Induction of the club's new officers will also take place, and motion pictures taken at the group's June outing will be shown.

## Cabot Names Morton-Myers Midwest Representative

Godfrey L. Cabot, Inc., carbon black manufacturer, Boston, has appointed the Morton-Myers Company representative for the distribution of color and ink grades of carbon black in the area served from Kansas City, Mo. The territory to be covered by Morton-Myers will include Missouri, exclusive of metropolitan St. Louis, Kansas, Iowa, Nebraska and Oklahoma.

## Heyden Chemical Changes 'Pentek' Package Weight

Heyden Chemical Corporation, Garfield, N. J., has redesigned the packaging for its 'Pentek' pentaerythritol to contain eighty pounds instead of the former seventy-five pounds. Investigations by the company's technicians are said to have indicated that the new packaging weight will result in a saving of about 7 percent in shipping and storage space.

## L.A. Paint Technicians Elect Ford as President

William Ford, of the Lewis Paint Products Company, has been elected president of the Los Angeles Paint and Varnish Production Club. Other officers are vice-president, Richard Savage, Old Colony Paint & Chemical Company; treasurer, William Gerhardt, jr., Reichhold Chemical Company, and secretary, Earl Hanson.

### CDIC Paint Technicians Discuss Bridge Paint Study

A trip to the Panama Canal Zone and Central America for the purpose of investigating the painting of bridges on the Inter-American highway was described by A. C. Goetz of the Eagle-Picher Company, at the October meeting of the Columbus-Dayton-Indianapolis-Cincinnati Paint and Varnish Production Club. The talk was illustrated by a series of Kodachrome slides.

## *Trade Briefs*

**Clayton Manufacturing** Company, El Monte, Calif., has appointed Alan G. Orsborn as assistant general sales manager in charge of sales promotion for the "Kerrick Kleaner," Clayton vehicle analyzer and Clayton steam generator divisions.

**Marius C. Thode**, head of the alkaloid and related chemicals division of S. B. Penick & Company, was elected president of the New York Tennis Club at its 61st annual meeting. The club is one of the oldest tennis clubs in the country.


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# Paint Industries Show Exhibitors

## Atlantic City, November 7-11, 1947

### Paul O. Abbe, Inc.

**Booth E**

Featured in the display of Paul O. Abbe, Inc., of Little Falls, N. J., will be the company's ball mills, pebble mills, mixers, pulverizers and granulators. Representatives who will be present with information about the company's line of equipment will be Paul O. Abbe and Oakley H. Garlick.

### Advance Solvents & Chemical Corp.

**Booth No. 32**

In conjunction with the "Soligen" naphthenate driers which will be displayed by Advance Solvents & Chemical Corporation, New York, a new folder will be offered containing complete information on "Soligen" driers. Also to be shown are the new "Hexogen" driers. Representing the company will be A. B. Mullaly, C. A. Klebsattel, J. S. Young, C. Gardner, W. W. Kienzel, C. A. Lechner, F. J. Whelihan and N. G. Schabel.

### Anderson-Prichard Oil Corp.

**Booth Nos. 44, 49**

Thinners and diluents will be featured in the exhibit of Anderson-Prichard Oil Corporation, Oklahoma City, Okla. The advantages of "Apco-Sol 47L" in lacquers will be demonstrated by means of an automatic machine which will be in operation. The performance qualities of "Apco-Sol 47H" and "Apco-Sol 42" will also be shown. The exhibit will be under the direction of C. H. Dresser, H. E. Easterday, D. D. Rubek, R. E. Johnson and V. J. Centracco.

### Archer-Daniels-Midland Co.

**Booth No. 33**

Exhibited in the booth of Archer-Daniels-Midland Company, Minneapolis, Minn., will be the firm's latest linseed oil and soybean oil specialty products, as manufactured for the paint, varnish and lacquer trade.

### Atlas Electric Devices Co.

**Booth No. 16**

The latest model "Weather-Ometer" for the accelerated weathering of paints, varnish, lacquer and related products, as well as the "Fade-Ometer" for fastness to light tests, will be displayed by Atlas Electric Devices Company, Chicago. Representatives of the company in attendance will be J. E. Norton and L. I. Monaghan.

### Bakelite Corporation

**Booth Nos. 19, 20**

"BR-9400," a new 100 percent oil-soluble phenolic resin, developed by Bakelite Corporation, New York, will be featured in a display at that company's booth. Also to be given attention will be Bakelite resins for furniture and wood finishes, as well as other resins for the coating industry. Latest developments in the "Vinylite" brand of resins will be explained and illustrated in panels at the exhibit. A large staff of representatives from the thermosetting and thermoplastic departments will be in attendance.

### Baker Castor Oil Co.

**Booth Nos. 41, 42**

The principal feature of the display of The Baker Castor Oil Company, New York, will be its line of "Castung" oils. In attendance at the exhibit will be H. H. Fritts, T. C. Patton and Louis Jubanowsky.

### Binney & Smith Company

**Booth No. 25**

"Mapico" iron oxide pigments will be displayed by Binney & Smith Company, New York, in a series of panels showing the mass tones and tints available with the spread of yellow, red, brown and black "Mapico" colors in combination with other colors. In the exhibit of the company's carbon black, dispersions of six or eight blacks using the "Coblac" process will be shown.

### Bird & Son

**Booth No. 11A**

A demonstration table showing how strips of various materials can be placed on a vacuum plate and films of varying thicknesses and widths of paint can be run on different materials such as paper, glass, felt undercoats and metal foil, will be the centerpiece of the booth of Bird & Son, East Walpole, Mass.

### Blaw-Knox Company

**Booth A**

The central theme of the display of Blaw-Knox Company, Pittsburgh, will be a forty-inch by ten-foot transparent flow sheet indicating a complete plant system from the storage of raw materials through the processing equipment and blending to the storage of the finished product, as used in the manufacture of resins for paints and varnishes.

### Bramley Machinery Corp.

**Booth 8A**

Bramley Machinery Corporation, New York, will feature its Forrest continuous operating, self-cleaning screen filter, which filters paint products without clogging the filter media. Also on display will be the Beken duplex mixer, a heavy duty dispersion machine which results in a high gloss in the product.

### Burt Machine Co.

**Booth Nos. 6, 7**

The "Model AU" labeler which can handle a wide range of sizes, from one-quarter pint up to and including a gallon, applying wrap-around labels, as well as the machine handling half and full gallon cans with ears will be exhibited by Burt Machine Company of Baltimore, Md.

### Chisholm-Ryder Co. of Pennsylvania

**Booth Nos. 3A, 4A**

Chisholm-Ryder Company of Pennsylvania, Hanover, Pa., will exhibit the company's standard Model "P-G" labeling machine which is made adjustable to handle the application of paper labels to the full range of paint containers, from ¼-pint up to gallon cans with bale ears.

### Diamond Alkali Co.

**Booth No. 37**

The exhibit of Diamond Alkali Company's pure calcium products division, Painesville, Ohio, will include demonstrations of the practical application of precipitated calcium carbonates and chlorinated paraffins in protective coatings. The particular advantages of "Surfax" coated calcium carbonate and "Multifex MM" particle size calcium carbonate as well as the properties of "Chlorowax 70" and "Chlorowax 40" will be featured in panels on display.

### Epworth Manufacturing Co.

**Booth D**

Epworth Manufacturing Company, Detroit, will have a variable speed ball mill laminated from lucite and carrying a standard charge of ball and liquid similar to paint materials. This exhibit will allow the inspection of the inside of the mill while it is in actual operation.

### Falk & Co.

**Booth Nos. 46, 47**

Emphasizing their use in protective and decorative coatings, Falk & Co., Pittsburgh, will show a complete line of fish oils, linseed oils, soybean oils, glycerol phthalate resins and various other specially processed oils and resins. Also featured, will be the company's paracoumarone indene resins.

### Ferro Chemical Corporation

**Booth No. 2**

On exhibit in the booth of Ferro Chemical Corporation, Cleveland, Ohio, will be a full display of the company's products, including metallic driers, reagents and chemicals, with indications of their applications.

### France, Campbell & Darling, Inc.

**Booth No. 9A**

France, Campbell & Darling, Inc., Kenilworth, N. J., will exhibit its natural and synthetic resins. I. L. Darling, E. N. Zoeller, W. B. North, T. R. Mawhinney, J. H. Pierson, E. P. Asmus and W. C. France will be in attendance.

### Henry A. Gardner Laboratory

**Booth No. 26**

On exhibit will be apparatus recently developed at the laboratory, including the Gardner Visco-Meter, interchemical inclined


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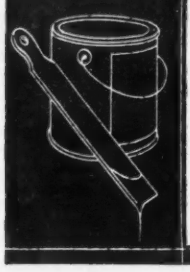
DUREZ RESIN NEWS



**DUREZ 220 RESIN**

**A HIGHLY VERSATILE,** high-melting phenolic-type resin of very pale color, Durez 220 Resin embodies unsurpassed film properties for its type when used with either hard or soft oils in oleoresinous varnishes, enamels, and paints.

**ARCHITECTURAL FINISHES.** This resin can be used to produce any standard type of varnish or enamel vehicle such as short oil rubbing varnishes, enamel liquids, general purpose varnishes, and spar varnishes. With all soft oils such as linseed or dehydrated castor oil, it produces varnishes and enamels that are highly satisfactory in every respect.

Durez 220 Resin retains many of the properties of phenol-formaldehyde resins and in addition, its high melting point means that it will produce whites with excellent adhesion and fast dry. These finishes set very fast and acquire hardness and toughness in minimum time.

The pale color of Durez 220 Resin produces excellent color retention on drying and aging. Its complete solubility in oils and thinners makes varnishes that are clear and free from seeds. They dry smooth and glossy. No trick cooking is necessary, and the product is highly stable in storage.

**ALUMINUM PAINT** vehicles of excellent quality can be produced by cold-blending of Durez 220 Resin with drying oil and solvents. Aluminum paints made with these vehicles dry rapidly with good leafing of the aluminum flakes, and leafing is maintained on extended aging of the paint.

**FOR SAMPLES.** Samples and further information will be furnished promptly on request. Durez Plastics & Chemicals, Inc., 1311 Walck Road, N. Tonawanda, New York.

**PHYSICAL PROPERTIES OF DUREZ 220 RESIN**

| | |
|---|---|
| Melting Point | 138° to 142° C. (Capillary tube Method) |
| Acid Number | 17 to 22 |
| Color | WW to WG |
| Refractive Index | 1.610 |
| Specific Gravity | 1.080 |
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tube viscometer, Boston Bradley adjustable doctor blade, Hunter photometric unit for the measuring of gloss and reflection, recording reflection meter, recording goio-photometer, gee clips for holding test tubes and straight line washability machine.

### General Electric Company

**Booth Nos. 4, 5**

There will be large photographs in the exhibit of General Electric Company, Pittsfield, Mass., showing the company's new Anaheim, Calif., and Waterford, N. Y., plants. The Anaheim plant manufactures glyptal alkyd resins and the Waterford plant will soon be opened to produce silicone resins, rubber, oils and grease.

### Geuder, Paeschke & Frey Co.

**Booth No. 18**

Displaying for the first time the company's new line of standard shipping containers, Geuder, Paeschke & Frey Company of Milwaukee, Wis., will also exhibit its "Wedg-Seal" pails and lead kegs with their many styles and variations, as well as its line of steel shipping containers.

### Goodyear Tire & Rubber Co.

**Booth No. 3**

The Goodyear Tire & Rubber Company's chemical products division will sponsor an exhibit revolving around "Pliolite S-5," its new thermoplastic, non-oxidizing copolymer resin, and its pigment dispersions called "Pliolite S-5" bases. In attendance will be Messrs. Thies, Aiken, Bear, Hickcox, Hussey, Selden, Hill, McNeer, Neese, White, Workman, Earhart and Sanders.

### Hercules Powder Company

**Booth Nos. 10, 11**

A wide range of resins and cellulose derivatives developed by Hercules Powder Company, Wilmington, Del., will be on display. Among the products to be shown will be "Cellolyn" resins for lacquers, "CMC" carboxymethylcellulose, dipentene, "Dresinol," nitro-cellulose, "Parlon" chlorinated rubber base, "Pentalyn" resins, "Poly-pale" resins, steam distilled turpentine and ethyl cellulose.

### Hy-R-Speed, Inc.

**Booth No. 6A**

Mixing and grinding machinery will be displayed in the booth of Hy-R-Speed, Inc., Los Angeles, Calif. R. W. Janeway and several other representatives of the company will be in attendance.

### Inland Steel Container Co.

**Booth No. 30**

Featured will be an exhibit depicting the four principal industries served by the Inland Steel Container Company, New Orleans. These industries are paint, petroleum, chemical and food processing.

### D.H. Litter Company

**Booth Nos. 43, 48**

"Uralite 7A" and "Literite WS," two products of D. H. Litter Company, of New York, will be featured in the company's exhibit booths. Information about Litter's products will be available from those present, H. L. Davis, F. E. Bolway, jr., C. Withington, E. Singer, H. C. Cookingham and E. C. Wood.

### Magna Manufacturing Company

**Booth No. 27**

Literature concerning the flake metal powders and metal pastes produced by Magna Manufacturing Company, New York, will be available at the company's booth. There will be in attendance members of the staff to give information on the custom powders produced and the heavy duty grinders which are available for the disintegrating of various materials, including pigments.

### The Neville Company

**Booths Nos. 23, 24**

The Neville Company, Pittsburgh, will display its complete group of coumarone resins used by the paint industry as well as other synthetic resins, including a new varnish fortifying resin, "Nevillac RT," which was introduced to the industry at the last show. Also available will be samples and literature on Neville coaltar solvents, plasticizers, shingle stain oils and anti-skinning agents.

### Newport Industries, Inc.

**Booth No. 34**

Featured in the exhibit of Newport Industries, Inc., New York, will be a full line of naval stores products, including polymerized rosin, tall oil, gloss oil and a variety of terpene solvents. Those in attendance will be R. J. Spitz, E. E. Holdman, J. L. Slattery, John Korose, Patrick Dineen, Norman Craft and J. L. Boyer.

### Nuodex Products Company

**Booth Nos. 40, 45**

The Nuodex Information Center will be set up in the exhibit of Nuodex Products Company, Elizabeth, N. J. Here under a large clock will be the Nuodex "Board of Experts," three men from the staff of the company's research and development department, who will give advice on solving problems related to driers, wetting and grinding aids and fungicides.

### Plaskon Division Libbey-Owens-Ford Glass Co.

**Booth No. 35**

A large aerial photograph showing the new $10,000,000 plant expansion program of the Plaskon Division, Libbey-Owens-Ford Glass Company, Toledo, Ohio, will be the main feature of that company's display. In attendance will be W. W. Knight, jr., Horton Spitzer, Dr. A. M. Howald, B. W. Slater and a number of other members of the staff.

### R-B-H Dispersions Division Interchemical Corporation

**Booth No. 5A**

The exhibit of the R-B-H Dispersions, division of Interchemical Corporation, Bound Brook, N. J., will be centered around the company's pigment dispersions in vinyl resins and its "R-B-H Resin 510." Representatives to be present include O. D. Bluthardt, M. M. Wilson, Richard Lynch, Harry Norris, Joseph Garrison and George Buttle.

### Reichhold Chemicals, Inc.

**Booth Nos. 1A, 2A**

Reichhold Chemicals, Inc., of Detroit, Mich., will display its regular line of synthetic resins, chemical colors, phenolic plastics and chemicals, including "Beckacites," "Beckosols" and "Beckamines."

### Resinous Products & Chemical Co.

**Booth No. 31**

A display of miniature equipment items finished with coatings made with products developed by The Resinous Products & Chemical Company, Philadelphia, during 1947, will be featured in that company's booth. The items on exhibit will serve to indicate the characteristics of the specialized coatings made of synthetic resins.

### Shell Oil Company, Shell Chemical Corporation

**Booth Nos. 12, 13, 14, 15**

"Service to Industry" will be the theme of the joint exhibit of Shell Oil Company and Shell Chemical Corporation, New York. There will be six miniature dioramic stages illustrating familiar industrial and domestic scenes, each scene appearing as it does in real life and again in silhouette. Each scene will have indicated the applications of petroleum products as solvents, diluents, plasticizers and chemical intermediates.

### Sparkler Manufacturing Co.

**Booth No. 17**

A production size plastic demonstrator filter with transparent tank and plates operating on water to illustrate the principles of horizontal plate filters will be the feature of the exhibit of Sparkler Manufacturing Company, Mundelein, Ill. Also on display, will be a production size varnish filter.

### Spencer Kellogg & Sons

**Booth No. 39**

"Drisoy," the new chemically treated varnish soybean oil in various viscosities, will be featured in the display of Spencer Kellogg and Sons, Inc., Buffalo, N. Y. Also to be featured is a complete line of the latest kettle polymerized linseed oils, as well as dehydrated castor oil and many special refined linseed, soybean oils and coconut oils that are of interest to the protective coating industry.

### E.M. Wanderman Company

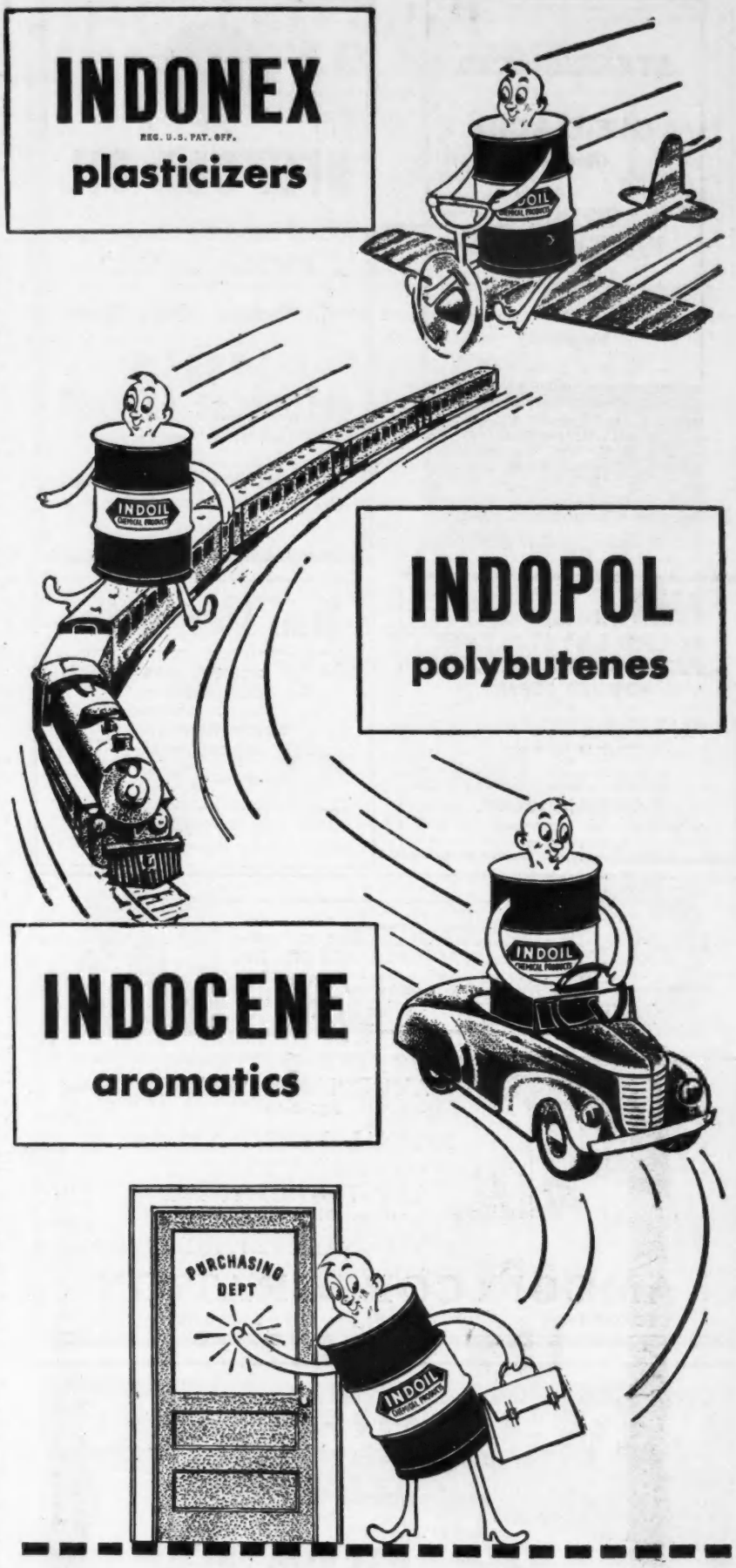
**Booth No. 1**

E. M. Wanderman Company of Brooklyn, N. Y., will have on display samples of materials for the paint, varnish and lacquer manufacturers. These materials will include resins, alkyds, solutions and other byproducts for the industry. Also on exhibit will be a new type of reaction for resin research.

### G.A. Wharry & Co.

**Booth No. 7A**

G. A. Wharry & Co., New York, will feature the products of Onyx Oils & Resins, Inc., including a line of alkyds as well as several oil specialties, such as a gelled oil vehicle for use in non-penetrating flats and primers, called "Calcikol." In addition there will be a line of low oil absorption whiting made by Pure Whiting Products Company.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# Oils, Fats and Waxes

Conditions in the oils and fats market remained on a firm basis last week. Cottonseed and soybean oils were easier early in the period, but under increased buying interest regained early fractional losses. Trading was active in crude cottonseed oil throughout the belt and the market displayed the firm tone which prevailed during the week previous. Soybean oil was stronger and regained early declines for prompt and nearby delivery, while futures declined 1½ cents. Sales in corn oil were restricted owing the sold up production, though consuming inquiry was fairly active. Increased demand for copra for European account advanced the market $5 per ton. Peanut oil output continued light, with trading slow. Further strength in tallow was reflected in greases and other animal oils. Soapmakers and other large consumers purchased moderate quantities of tallow at an increase of 1 cent per pound and additional bids at the higher level were turned down. Small users and exporters continued to pay premiums of a cent or more. Tallow production was sold well ahead and makers practically withdrew from the market. Current prices of tallow were on a par with lard and sales of several tankcars of rendered pork fat were reported for soapers account. Red oil and stearic acid were raised 2 cents per pound. Grease, neatsfoot oils and fatty acids also were firmer. Linseed oil was in limited supply for prompt and nearby delivery and was well held at current quotations. Futures were in keen competition and prices were reported shaded on purchases of sizable quantities for January-March delivery. Tung oil was in good request for delivery on former contracts. Trading also was fairly active for nearby and forward delivery at unchanged quotations.

National Association of Retail Grocers urged President Truman in a telegram last week to recommend that Congress eliminate what the association termed an unjustly discriminatory Federal tax on oleomargarine.

## Market Trends

**Prices Advanced**

Copra, $10 per ton.
Grease, 1c. per lb.
Neatsfoot oil, 2c. per lb.
Oleo oil, 2c. per lb.
Red oil, 2c. per lb.
Stearic acid, 2c. per lb.
Tallow, 1c. per lb.

**Prices Reduced**

Soybean oil, crude, futures, 1½c. per lb.

**Comparative Price Indexes**

(100=August 1, 1914)

| Last week. | Prev. week. | Last month. | Last year. |
|---|---|---|---|
| 230.3 | 224.3 | 220.3 | 266.9 |

(For Current Prices see Page 9)

## Cottonseed Oil

Trading in bleachable cottonseed oil futures slackened last week. Market was irregular and prices scored narrow losses, despite the unsettlement in other commodities. Strength in crude oil was the sustaining factor. Demand for crude oil improved and market was advanced 1c. with sales of good volume transacted at 22c. per pound, tankcars throughout the belt. Prices were held at 22c. asked and 21½c. bid in the Valley and Southeast. Light sales were reported at 21½c., Texas.

Cottonseed parity price October 15 was $53.90 per ton, compared with $53.70 the previous month and $46.70 a year ago. Farmers received $90.60 per ton during the month, against $75.60 the month previous and $66 a year ago.

*Memphis* — Cottonseed oil markets quiet. Crude was 21½c. bid in the Valley for November-December. Crude soybean oil was bid 20½c., same basis. Cottonseed meal, 41 percent quoted $87 per ton, prompt November and $85 December, Memphis.

Soybean meal quoted at $85.50 per ton, sacked, Decatur, November-December.

Prices of refined bleachable soybean oil, in tankcars on the N. Y. Produce Exchange for the week ended October 31, follow:—

| | Sales | Cents per pound—High | Low | Close |
|---|---|---|---|---|
| December | .. | .. | .. | 21N |
| January | .. | .. | .. | 20N |
| March | .. | .. | .. | 20N |
| May | .. | .. | .. | 20N |
| July | .. | .. | .. | 20N |
| September | .. | .. | .. | 20N |
| October | .. | .. | .. | 20N |

Total sales—None.

## Linseed Oil

Owing to the sold up output for prompt and nearby shipment, offerings were limited and quotations entirely nominal for delivery during the balance of the year. Raw oil was quoted nominally at 30.6c. to 31.3c. per pound, tankcars in zone 3 for November-December depending upon seller. January forward delivery was offered at 29.6c. per pound, tankcars. Competition was keen in the forward positions and this figure was reported shaded slightly for sizable quantities. Oil in drums, carlots nominal 31.60c. to 32.30c. per pound, for prompt and nearby and 1c. less for January forward. Moderate sales were reported for prompt delivery, chiefly of small lot quantities. Withdrawals against former contracts were in fair request.

Flaxseed stocks in all positions on October 1, 1947, totaled 32,654,000 bushels, about equally divided between farm storage and off-farm positions. The off-farm portion includes 6,343,000 bushels of commercial stocks at terminals, as reported by the Production and Marketing Administration. Of the total about 92 percent is stored in four States — Minnesota, North Dakota, South Dakota and California.

British Treasury increased the import duty on linseed oil used in the manufacture of certain goods from £4 ($16) to £25 ($100) per ton.

*Minneapolis* — Demand for linseed oil was strong but a weakness in soybean oil was reflected in linseed oil and demand slackened. Buyers were cool to offerings, having purchased most of their needs for this year. Small buyers worked on a hand-to-mouth basis. Raw oil, per pound in tanks, zone 1, was quoted at 30.6c. for November-December shipment and January forward at 29.6c. per pound.

Shipments of linseed oil, in pounds, were as follows:—

| | 1947-48 | 1946-47 |
|---|---|---|
| This week | 7,740,000 | 3,780,000 |
| Since Sept. 1 | 59,620,000 | 51,320,000 |

**Flaxseed** — Seed market was firm. Demand was active and offerings were readily taken.

*Minneapolis*—Spot flaxseed held steady at the $6.80 level while to-arrive offerings advanced 10 cents, also to the $6.80 mark, as buyers competed actively for all supplies. Receipts were reported heavy from North Dakota the past week, with most of the offerings pouring into the Minneapolis market and a great percentage going to Duluth. Approximately 50 percent of the receipts were applied to maturing contracts while 25 percent were put into storage unsold and the balance was sold.

Shipments of laxseed in bushels were as follows:—

| Bushels— | Receipts— 1947-48 | 1946-47 | Shipments— 1947-48 | 1946-47 |
|---|---|---|---|---|
| This week | 866,500 | 1,152,000 | 56,100 | 120,700 |
| Since Sept. 1 | 14,042,500 | 6,283,800 | 1,822,700 | 1,381,800 |

## Other Vegetable Oils

**Coconut**—Consuming inquiry was light, but the market was steady with the advance in copra. Crude oil was quoted nominally at 19c. per pound, buyers tankcars, f.o.b. Pacific coast November-December, and 16½c. for January-March. Copra was stronger under a good demand from France and shipments were advanced to $215 per ton, c.i.f. Pacific coast. Copra imports totaled 845,654,000 pounds during January-August, 1947, compared with 388,184,000 pounds for the same period last year, it was reported by the Department of Commerce.

**Olive**—With large exportable stocks of new crop oil in prospect from Mediterranean countries overhanging the market, demand for supplies on the spot continued slow and prices merely nominal. Spanish oil was offered at $6.25 per gallon, drums, duty paid and Moroccan at $5.75, same basis. Offers of new crop Moroccan oil were reported at about $1 below the current price. New crop domestic oil was quoted at $3.75 per gallon, drums, f.o.b. California, for January-March shipment.

**Palm Oil**—A news item in OPD for October 6 on palm oil production in the East Indies erroneously gave the prewar production as 2,250,000 tons instead of 250,000 tons. Reports from that region now cast doubt on the probability of reaching 1,000,000 tons production in ten years.

**Peanut**—CCC offered 1,300 tons of peanuts to highest bidder last week, which will produce approximately 13 tanks of crude oil. No sales were reported with bids of 23½c. in the market for limited amounts. Production of peanut oil for twelve months ending September 30 amounted to 139,161,000 pounds, compared to 99,575,000 last year and 113,216,000 the year before. Stocks on hand October 1 were 1,584,000 pounds, against 4,856,000 pounds last year.

**Soybean**—Market developed a stronger tone late in the week and regained earlier declines. Crude oil was reported sold at 21c. per pound, tankcars, mills, for November and 20½c. for December. January forward was easy with sales reported at 18½c., tankcars, mills. Refined oil was quoted at 24½c. to 25c., tankcars, New York, nearby delivery.

*For Late Market Developments, See Page 4*

**Prices of refined bleachable prime summer yellow cottonseed oil in tankcars on the N. Y. Produce Exchange for the week ended October 31, follow:—**

| | Sales | Cents per pound—High | Low | Close |
|---|---|---|---|---|
| December | 5 | 23.60 | 23.26 | 23.25@23.80 |
| January | 4 | 23.25 | 22.90 | 23.10@23.50 |
| March | 103 | 23.50 | 22.60 | 23.12@23.00 |
| May | 146 | 23.50 | 22.65 | 23.15@23.25 |
| July | 13 | 23.18 | 22.75 | 23.15@23.25 |
| September | .. | .... | ..... | 22B |
| October | .... | .... | .... | 22N |

Total sales—271 tankcars.

Crude oil was reported sold at 21½c., tankcars, Texas, and was bid at same figure in Valley and Southeast.

**Tung**—Trading was fairly active for nearby delivery at 26c. per pound, tankcars, New York basis, last week. January forward was quoted at the same figure. Consumers were reported taking large quantities against former contracts. Oil in drums was held at 27½c., carlots, and 28c. to 28½c. for smaller quantities. Tung oil imports totaled 86,121,000 pounds during January-August, 1947, against 13,231,000 pounds for the same period last year, an increase of 550.9 percent, according to the Department of Commerce.

## Fats and Greases

**Greases**—Prices were lifted another cent per pound last week, under improved demand and the boost in tallow. Most of the trading was done in the higher grades and spread widened between the higher and lower grades. B white was sold at 21½c. per pound, loose and yellow at 20½c. House was quoted at 20¼c.

**Lard**—Market was irregular, with prices slightly easier. Trading was fairly active. Some 2,000,000 pounds of lard were allocated to Brazil for commercial procurement, Department of Agriculture announced last week. Cash lard was quoted at 23¼c. per pound, tierces, and 24.50c., loose, Chicago. Sales of several tankcars of rendered pork fat were reported at 23½c. Chicago, for soapers account.

**Tallow**—Soapers advanced bids 1c. and sales in fancy were made at 23c., and extra at 22¾c., loose. Additional bids at these figures were refused and sellers withdrew from the market. Special tallow was nominal at 22½c. Consuming inquiry was active and small quantities of fancy was held at 24c. and higher, placing the price on a par with lard.

## Animal Oils

**Grease Oil**—Market was firmer, with pressing stock. Prices were more or less nominal. Common, No. 1, was quoted at 27½c. to 28½c. per pound, drums, as to quantity; extra Winter, strained, 28½c. to 29½c., and prime burning, 29c. to 30c.

**Oleo Oil**—Inquiry was active. Market was firmer. Offerings were scarce. Extra was quoted nominally at 30c. per pound, tierces, Chicago.

## Fatty Acids

**Red Oil**—Higher tallow and grease market resulted in an advance of 2c. per pound in red oil. Trading was moderate and mainly for actual needs. Single was raised to 28¾c. to 29¾c. per pound, drums as to quantity and double to 31¼c. to 32¼c., same basis.

**Stearic Acid**—Prices were advanced 2c. per pound, as a result of higher cost of tallow and grease. Business was restricted to immediate delivery. Single pressed was quoted at 33½c. to 34½c. per pound, bags, as to quantity; double, 34c. to 35c., and triple, 36¼c. to 37¼c., same basis.

## Cake and Meal

**Cottonseed Meal**—Demand continued quiet in the Southeast. Several lots sacked 41 percent sold from $81 to $82.50 in the Carolinas, but most mills in that section have advanced ideas to $84 but no sales have been reported at the higher price. Alabama and Georgia crushers are asking $83.50 to $85 with only occasional car selling.

**Linseed Meal** — Demand was slow and with offerings more liberal prices were more or less nominal.

*Minneapolis*—Linseed meal for prompt shipment was offered more freely last week. Nearby delivery held barely steady to slightly lower. Discounts for forward deliveries were narrowed in sympathy with soybean meal prices. Meal for prompt shipment generally was quoted at $84 per ton, bulk, in carlots, f.o.b. Minneapolis; November at $83 and December at $82.50. Discounts of $1 to $2 were allowed for January forward.

Shipments of linseed meal, in pounds, were as follows:—

| | 1947-48 | 1946-47 |
|---|---|---|
| This week | 11,520,000 | 8,620,000 |
| Since Sept. 1 | 92,640,000 | 65,140,000 |

**Peanut Meal** — Several sales were made late last week at $87.50 sacked 45 percent f.o.b. Alabama-Georgia mills for October shipment, all of which was short covering


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on the part of other crushers who had been unable to buy peanuts against sales for October delivery. CCC offered 1,300 tons of peanuts for crushing, which will produce about 550 tons 45 percent meal. In view of such limited offerings, production is likely to remain spasmodic for sometime to come with only a few mills able to operate.

## Waxes

**Beeswax**—Higher cost for crude wax replacements created a firmer tone in the local market. Prices for crude were increased several cents per pound for spot suppliers while refined grades were unchanged, but were steadier. African crude was quoted at 49c. to 50c. per pound and Western hemisphere at 50c. to 51c. per pound.

**Carnauba**—Outside of a good demand for yellow for spot and prompt arrival, this market was dull and easier. Offerings were more liberal and prices were reduced about 5c. per pound. Consumers showed moderate interest. Trading was fair for nearby delivery, while spot supplies received little attention.

**Japan**—Light supplies on the spot were held at 47c. to 48c. per pound, depending upon quantity Consuming inquiry was fair.

**Ouricury**—This market was inactive and easier on the spot. Demand was slow and prices off several cents. Crude was quoted at 61c. to 63c. per pound and refined at 68c. to 70c. per pound.

## *Margarin Output Larger*

Margarin production during August was larger than the previous month and during August last year, according to statistics compiled by the Bureau of Internal Revenue:—

| | Pounds August 1947 | Pounds August 1946 |
|---|---|---|
| Production of uncolored oleomargarin | [1]45,822,289 | [2]38,233,715 |
| Withdrawn tax-paid | 45,271,353 | 39,679,711 |
| **Used in Uncolored Margarin** | | |
| Butter culture | ..... | 220 |
| Butter flavor | 179 | 285 |
| Citric acid | 11 | 272 |
| Coconut oil[3] | 178,840 | ..... |
| Corn oil | 789,099 | 365,549 |
| Cottonseed oil | 19,218,904 | 16,068,765 |
| Cottonseed stearin | 2 | ..... |
| Derivative of glycerin | 78,452 | 61,731 |
| Diacetyl | 135 | 106 |
| Estearin | ..... | 6,676 |
| Lecithin | 56,368 | 48,705 |
| Milk | 7,762,994 | 6,481,486 |
| Monostearin | 35,255 | 31,127 |
| Neutral lard | 183,288 | 85,614 |
| Oleo oil | 183,387 | 106,259 |
| Oleo stearin | 257,566 | 159,757 |
| Oleo stock | 37,287 | 17,705 |
| Peanut oil | 1,821,271 | 1,364,437 |
| Salt | 1,413,085 | 1,213,093 |
| Soda, benzoate of | 31,013 | 2[illegible]78 |
| Soybean flakes | ..... | 9,380 |
| Soybean oil | 14,422,394 | 12,758,410 |
| Vitamin concentrate | 6,437 | 6,032 |
| Total | 46,502,437 | 38,852,810 |
| Production of colored oleomargarin | 4,219,158 | 5,167,856 |
| Withdrawn tax-paid | 1,979,860 | 1,101,660 |
| **Used in Colored Margarin** | | |
| Butter flavor | 69 | 16 |
| Coconut oil[3] | 1,197,062 | ..... |
| Color | 3,963 | 3,421 |
| Corn oil | 3,449 | 91 |
| Cottonseed flakes | 950 | 3,135 |
| Cottonseed oil | 896,379 | 432,083 |
| Derivative of glycerin | 5,997 | 4,438 |
| Diacetyl | 18 | 406 |
| Estearin | ..... | 80 |
| Lecithin | 5,962 | 3,914 |
| Milk | 737,103 | 858,699 |
| Monostearin | 1,979 | 2,377 |
| Neutral lard | 20,274 | 13,554 |
| Oleo oil | 17,170 | 6,783 |
| Oleo stock | 7,552 | ..... |
| Peanut oil | 45,045 | 15,806 |
| Salt | 139,527 | 166,555 |
| Soda, benzoate of | 2,735 | 2,871 |
| Soybean oil | 1,268,129 | 3,685,259 |
| Soybean flakes | ..... | 5,629 |
| Vitamin concentrate | 482 | 736 |
| Total | 4,351,816 | 5,186,510 |

[1] Of the amount produced, 16,252 pounds were reworked.
[2] Of the amount produced, 31,140 pounds were reworked.
[3] 348,502 pounds of this oil used in oleomargarin manufactured for export by, or from, the United States, and 1,027,400 pounds used in production of the product for domestic consumption.

The best that can be produced. It is 100% PURE BEESWAX and measures up to all the requirements of the U.S.P.
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THEODOR LEONHARD WAX CO., INC. (Dept. A)
Haledon Established 1852 Paterson, N. J.

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WAXES VEGETABLE ANIMAL OILS SPOT & FUTURES
2 BROADWAY N.Y.C.
WH.4 1887-8-9

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MEMPHIS, TENNESSEE
Domestic and Export
PRODUCTS OF COTTONSEED, PEANUTS SOYBEANS and GROUND GRAINS
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Codes: Yopps, Robinsons, Bentleys ABC, 5th Edition Peerless

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Woodoil Dept. Co-7-8687

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Primary Producers of Tall Oil and Manufacturers of Kraft Pulp & Paper
FRANKLIN, VIRGINIA
60 East 42nd St., New York 17, N.Y.

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**General Petroleum** Corporation has begun construction of a 570 by thirty foot dock at the firm's Linnton terminal in Portland, Ore., to replace the one burned in 1946.


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**GUM TRAGACANTH (ribbon)**
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1—Fumigating Pressure Tunnel, 7'x7'x50'; others, 42"x24"—600 PSI; 4'x7'6"—900 PSI; 6'x20'—100 PSI; 5'x11'—500 PSI; 7'6"x15'6"—200 PSI.

**COLLOID MILLS**

Homogenizers-Viscolizers.
8—Eppenbach Colloid Mills, vertical or horizontal; some with stainless contact parts; ½ HP to 5 HP.
4—Premier Colloid Mills, 8", 10" and 15", various types.
6—Marco Homogenizers, stainless 7½ and 10 HP.
3—Manton-Gaulin Homogenizers; 250 gal. to 500 gal.
4—Charlotte (Chemi-Colloid) Mills from 1 HP to 20 HP.
6—Viscolizers by Cherry-Burrell, Union Steam Pump, others.

**DRYERS and KILNS**

10—Buffalo, Black & Clawson, other Double and Single Drum Dryers from laboratory size to 4'x12'; most with accessories.
5—Louisville and Davenport Steam Tube Dryers; 54" x30', 6'x25', 6'x39' and 6'x50'.
3—Hersey Rotary Direct Heat Dryers; 5'x21', 4'x26' and 7'x30'.
4—Devine and Stokes Rotary Vacuum Drum Dryers 2'x6', 3'x20', 5'x10' and 5'x33'.
2—Rotary Louvre Type Dryers; 3'x20' and 7'5"x20'.
1—Rotary Crystallizer, 6'x20'7", having 27 tubes 8".
12—Rotary Kilns or Calciners by Traylor, Ruggles-Coles, Allis-Chalmers, Bartlett & Snow and other standard makes; sizes 2'x13', 4'x26', 3'x30', 4'x30', and others up to 10'x80'.
2—Proctor & Schwartz Conveyor Type Apron Dryers; 6'x21' and 6'x40', complete with accessories.
3—Stokes, No. 38 Shelf Dryers, electrically operated 16 shelf and 5 shelf.
2—Proctor & Schwartz Hurricane Dryers; 29"x36"x11'6".
1—Complete Spray Dryer Installation, 18'x18' with accessories.

**EVAPORATORS — STILLS REACTORS—Vacuum Pans**

8—Single, Double and Triple Effect Evaporators in Copper, Steel, etc., by Zaremba, Blaw-Knox, Swenson, Stokes, Devine and Struthers-Wells in varying capacities; many with accessories. State requirements.
3—Griscomb-Russell Evaporators of the heat exchanger type; 6'x13'.
8—Copper Distillation Columns up to 84" diameter.
12—Vacuum Pans in Steel, Iron, Copper and Stainless from 100 gal. to 1,500 gal. capacity; state requirements and intended use.
1—Swenson Vertical Rubber-lined Vacuum Crystallizer, 4'x20' with agitator, condenser, receivers and evactor.
1—Pfaudler 250 gal. No. 304 Stainless Reactor, 40"x54".
1—900 gal. Reactor or Nitrator, half jacketed and agitated, 5'3"x6'.

To be continued
Next Issue

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27—Stainless Steel TANKS, 1,000, 900, 350, 300, 250 gal.
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3—Pfaudler 375 gal. closed GLASS LINED TANKS, side m.d. agitated.
2—1,500 gal. Stainless Steel Jack. VERTICAL TANKS.
4—COLLAPSIBLE TUBE MACHINES: 1—Stokes No. 79-80 Filling, Closing, Clipping; 1—Colton No. 14 Auto. Filling, Closing, Clipping; 1—Colton No. 2 Comb. Filling and Closing; 1—Colton No. 4 Auto. Closer & Clipper, M.D.
1—Drever Belt Type Electric Furnaces, 1850° F. with Heat Controls, Temperature Regulators, Recorders, etc.
2—Micro Pulverizers, No. 18H, each with two totally enclosed fan-cooled motors.
1—Badger 885 gal. all copper GIN STILL, complete wih condenser and pump.
2—World ROTARY LABELERS, late type, M.D.
2—W. P. MIXERS, jacketed, 100-gal. sigma blades.
1—Colton No. 8 Can FILLER, ½ pt. to 1 qt.
1—Premier 5" Colloid Mill, 10 H.P. motor.
1—York 500 GPM HOMOGENIZER bronze fitted, with 15 H.P. A.C. motor.
1—Pneumatic Scale Tight Wrap Machine, M.D.
1—J. H. Day auger POWDER FILLER.
2—Colton No. 3 TOGGLE Globule PRESSES, for making capsules.
1—Pneumatic Scale six head CAPPING MACHINE.
1—Devine No. 11 VACUUM SHELF DRYERS, 17 shelves, 40" x 42".
Approximately 200 feet of STEEL BALL BEARING ROLLER CONVEYOR, from 16" to 24" widths.

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35—Aluminum JACKETED KETTLES, 20 to 100 gallons.
3—Aluminum JACKETED, AGITATED KETTLES, 1,200, 750, 500 gallons.
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1—300 gal. COPPER Jack., Agit. KETTLE.
1—500 gal. Dopp JACKETED KETTLE.
1—400 gal. copper steam jacketed KETTLE.
1—250 gal. Copper Jack. agit. Closed KETTLE OR VAC. STILL.
2—Copper steam jacketed agitated KETTLES, 1—54" dia. x 42" deep, 300 gals.; 1—36" dia. x 31" deep, 70 gals.

**FILTER PRESSES**

1—Shriver, 30"x30", iron, center feed, 48 plates, ratchet closing device.
1—Johnson, 36"x36", iron, center feed, 44 plates, double end, gear closing device.
1—Sperry, 30"x30", iron, plate and frame, closed delivery, 31 chambers.

**SPECIAL**

2—Buflovak 24" x 20" Rotary Vac. single DRUM DRYERS, complete with surface condensers and vacuum pumps.

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1—Colton No. 5½ "T" single punch, V-belt to 5 HP AC motor, max. dia. 3¾".
1—Colton No. 4½ single punch, max. dia. 1½".
2—Stokes RD-4 Rotary 16 punch maximum 1" dia.
3—Stokes "R" single punch, maximum 2½" dia.
4—Stokes "F" single punch, maximum ¾" dia.
1—Stokes "N" single punch, maximum ½" dia.

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**STEEL TANKS**

9—55' dia. x 50' high, 29/32" thick, cone bottom, steel legs, offered with or without 6-compartment Dorr thickener mechanisms.
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2—15' dia. x 12' high, plus 12' deep conical bottoms.
3—12' dia. x 21', 60° cone bottom.
2—12' x 21' high, plus 9' deep conical bottoms.
3—12' dia. x 5' high, plus 5' deep conical bottoms.
2—10' x 40' horizontal, welded, dished heads.
5—10'6" x 49' horizontal, welded, dished heads.
18—3' dia. x 28', conical bottoms, ¼" plate.

**ACID PROOF OLIVER FILTER**

8' dia. x 12' face Oliver Rotary Continuous Vacuum Filter, lead valve, lead covered drum heads, rubber covered oscillating agitator, lead lined trough, etc. For immediate shipment.

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8—Troy 48" dia. Extractors, clear top, with perforated steel baskets, underdriven, V-belt drive attached to vertical mounted motor 5 H.P. 220 volt. Complete with Automatic Timing Device, motor controls, practically new condition.

**5-ROLLER MILL**

1—Williams Super Titan 5-Roller Mill with spinner type separator, Model 5058, complete in every detail. Still set up as operated in plant in Missouri.

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**UNUSED OLIVER FILTERS**

Rotary Continuous Vacuum Type

10' Dia. x 18' Long — 565 Sq. Ft.

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RUBBER DRUM COVERING
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**ROLLER MILLS**

1—Bubler, 13x32, 3-ROLL, HIGH SPEED, motor driven.
1—Kent, 16x40, motor driven.
2—Day, 12x32, motor driven.
2—Kent, 12'x30", motor driven.
3—20x18", belt driven.

SEND FOR COMPLETE LIST OF PAINT MACHINERY

**DRYERS**

1—Devine 5'x33' ROTARY VACUUM DRYER.
1—Buffalo Atmospheric DOUBLE DRUM DRYER, 42"x100".
1—6' dia. x 50' long LOUISVILLE ROTARY STEAM TUBE DRYER, with two rows of 54 tubes, 3½" and 4", gear reducer drive.
1—B. & C. 36" x 84" Atmospheric DOUBLE DRUM DRYER, complete.
2—Buffalo 32" x 72" Atmospheric DOUBLE DRUM DRYERS, M.D.
1—B. & C. 28" dia. x 60" face Atmospheric DOUBLE DRUM DRYER, complete.
2—Direct heat ROTARY DRYERS, 7'6" x 55', 8' x 45', 8' x 55'.
1—6' x 35' Louisville Direct Heat single shell ROTARY DRYER.
2—56" dia. x 24' Direct Heat ROTARY DRYERS, ½" shells, with furnaces, semi-portable, all mounted on I beams.
1—6' x 60 ROTARY DRYER.

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## RECENT PURCHASES

**FILTERS & FILTER PRESSES**

2—40" x 40" cast iron, P&F, 44 chambers, washing type.
6—Shriver 36" x 36", cast iron, 42 chambers, P&F, washing type.
4—18", 24", 32", Wood P&F Filter Presses.
1—No. 10 Sweetland 54 bronze leaves, 2" centers, 500 sq. ft.
1—No. 2 Sweetland, No. 316 stainless steel body and leaves.
2—No. 5 Sweetland, 20 bronze leaves, 3" centers.
5—No. 2B Valles, 16 to 24 sq. ft.
2—Swenson Rotary, 4' x 1'.
4—Oliver, 8' x 8', 8' x 6', 8' x 4'.

**CRYSTALLIZERS**

1—Buflovak 6' dia., Vacuum Type.
2—Buflovak 6' Atmospheric.
1—Swenson Walker Continuous, 24" x 20'.

**KETTLES AND TANKS**

1—New Dopp 150 gal. Jacketed, Agitated Kettles, Vertical, jacketed blades.
1—100 gal. Steel Jacketed Agitated Kettle, with reducer and motor.
1—Blaw-Knox Ductiweld 100 gal. Steel Jacketed, Agitated Kettle, 125 lb. jacket pressure, 150 lb. internal pressure.
5—Stainless Steel Kettles, 60 to 500 gals.
1—600 gal. Jacketed Kettle, with reversible screw type agitator.
1—Patterson Rubber-Lined Mixing Tank, 3' dia. x 6' deep, with Type "R" Uni-Power Drive.
4—Pfaudler jacketed glass-lined Kettles, 60 gallon capacity, double S.S. agitators.
5—Pfaudler glass-lined Tanks, 40 gal.
2—500 gal. glass-lined Tanks.

**CENTRIFUGALS—CENTRIFUGES**

1—A.T.&M. 40" Suspended Type Centrifugals, 40 HP, 1,200 RPM.
7—Tolhurst 32", 40", 48" Self-Balancing Type Centrifugals, steel and copper baskets.
1—Fletcher 30" Suspended Type Centrifugal, steel basket, with 10 HP, 1,150 RPM.
1—A. T. & M. 18" Suspended Type Centrifugal, Stainless Basket, motor driven.
3—Sharples No. 16 Vaportite Centrifuges, with stainless steel bowls, explosion-proof motors.
1—Sharples No. 6 Pressurtite Centrifuge.
1—Sharples No. 6 Super Centrifuge.
2—De Laval No. 600 Clarifiers.

**MIXERS**

1—Baker Perkins, Type VI. Class BB, size 15, jacketed sigma blades.
2—W.&P. ½, 9 and 20 gals.
1—Readco 4 gal., double arm, stainless.
9—New 1,000 lb. Dry Powder, motor driven.
2—2,000 and 3,000 lb. Dry Powder.
2—Portable Agitators, ¼ HP, 400 RPM.
6—100 gal. Lead Mixers, motor driven.

**DRYERS**

1—Devine No. 23 Vacuum Shelf Dryer, 13 59" x 78" shelves.
1—Lectrodryer C-75, 750 C.F.M., activated aluminum.
1—American 42" x 10' Atmospheric Double Drum.
1—32" x 60" Atmospheric Drum.
1—Buflovak Vacuum Drum, 24" x 20".
2—Rotary Vacuum 5' x 33', 2' x 6', 30" x 8'.
1—Atmospheric 8 Truck, steam heated, 700 sq. ft.
1—Rotary Steam Tube Dryer, 6' x 25'.

**MILLS—PULVERIZERS**

1—Day 12" x 32", 3-Roller Mill, motor driven.
1—Eppenbach Colloid Mill, stainless steel, ½ H.P.
1—Lehman 3-Roller Mill, 7" x 14".
1—Hardinge 6' x 22" Conical Steel-Lined Ball Mill, with feeder and 10' Gayco Air Separator.
1—Hardinge 36" x 24" Conical Steel-Lined Ball Mill.
1—Gruendler Master Hammer Mill, 10 HP motor.
2—Ball & Jewell No. 0 and No. 1 Rotary Cutters.
1—Abbe 10 Jar Mill, with 10 ¼ gal. jars.
2—No. 3 Eureka Jar Mills, 15 gal. capacity, motor driven.

**EVAPORATORS AND STILLS**

1—5' All Copper Evaporator, vertical tubes, 500 sq. ft.
6—Copper and Iron Vacuum Pans, 4', 5', 6', 8', 10".
3—Copper Stills, 100, 150, 400 gals.

**MISCELLANEOUS**

1—Large Lot of Celeron Fittings, Parts and Piping, Brand New.
1,500 ft.—16", 18", 24" Roller Conveyor.
25—Stokes, Colton Tablet Machines, single and rotary, ½" to 2¼" single and rotary, ½" to 2½".
3—Bucket Elevators, 25', 28', 35' centers.
25—Oliver "Olivite" Acid Resisting 2" Centrifugal Pumps.
15—Duriron, Lead, Haveg, Bronze & Stainless Centrifugal Pumps, ¼" to 3".
2—Kiefer Visco Fillers.
3—Robinson & Rotex Sifters, single and triple deck.

**Partial List Only, send for "News Flash."**

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## STEEL STORAGE TANKS

3— 9,800-Gallon, 8' x 26'
2—11,000-Gallon, 8' x 30'
2— 7,800-Gallon, 7' x 27'

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**1—No. 12 Sweetland Filter, 71-36" copper leaves on 2" centers, hydraulic opening & closing.**
**1—No. 2 Sweetland Filter, 23 leaves on 1½" centers.**
**4—Allbright-Nell 4' x 9' Atmos. Drum Dryers.**
**3—Lehman Steel 5 Roller Mills, 16" x 39" & 3 Roll, 12" x 30".**

2—Sperry 18" sq. Lead Filter Presses.
12—Sperry & Shriver, 30", 32" & 42" sq. Iron Filter Presses.
3—Baker Perkins heavy duty Jack. Mixers, 100, 50, 20 & 9 gals.
1—Devine No. 3 late type Vac. Shelf Dryer Elec. Heated.
14—Tolhurst 40" Suspended Type Centrifugals, Bottom Discharge. Also 26" Rubber-Lined.
2—Stokes RD4 Rotary Tablet Machines, 16 die openings 1 3/16" dia. Also ⅝", 1", 1¼".
3—Jones Type E & K, automatic Soap Presses.
1—Huber 25 ton Para Block Press.
11—Sharples No. 5A Stainless Oil Centrifuges, late type, 2 H.P.
1—Manton Gaulin, type 300, Stainless Steel Homogenizer.
1—Marco Model 200 Stainless Steel Homogenizer.
Devine 800 & 1,000 gal. closed steel Kettles & Stills.
10—Day Dry Mixers, 50, 100, 300, 400, 600 & 1,000 lbs.
3—Stokes & Day Powder Fillers.
1—Hardinge 3'x8' Conical Ball Mill.
1—Knapp Can Labeler.
1—Tyler-Hummer 3' x 6' surface screen.
75—36" x 36" Cast Iron Filter Press Plates and Frames.
1—Stokes No. 149 B Vac. Pump.
1—Gruendler 7" x 10" Jaw Crusher.
1—Dings Magnetic Separator, 12" Magnetic Pulley.
1—Sturtevant 36" Rock Emery Mill.
1—Gruendler 5" x 6" Jaw Crusher.
1—Sharples No. 6 Centrifuge.
1—Samco Jr. Vac. Bottle Filler.
6—Pfaudler Glass-Lined Jack. Agit. Kettles, 350, 400, 500 gals.
25—Stainless Tanks, 100 to 1,000 gal.
6—Filling, Labeling, Cartoning & Wrapping Machines.
10—Stainless steel, jacketed Kettles, new & used, 40, 60, 80 & 375 gals., some agitated.
4—Alum. Kettles, 50 to 100 gal.
18—Copper jack. Kettles, 2, 20, 50, 75, 100, 250 & 350 gals., some agitated.
15—Port. Elec. Mixers, ¼-2 HP.
1—Abbe 2 Jar Mill, 2 gal. Jars.
1—Hammer Mill, 7½ H.P.
1—Williams No. 3 "Regular" type Hammer Mill.
1—Stedman 32" Single Roll Crusher.
1—Jeffrey 18" x 48" Single Deck Conveyor Screen.
New Water Stills, Gas and Elec.
New 40 gal. Pony Mixers.
4—Day Pot Mills, 24" x 32" dia.
8—Centrifugals, 20", 26", 30", 40".
4—No. 0000 and No. 0 Raymond Mills.
1—250 gal. lead-lined Kettle.
1—700 gal. steel copper-lined vac. Filter Tank.
1—Dopp 50 gal. jacketed Kettle.
1—Blystone 2,000 lb. horiz. Spiral & Paddles Steel Mixer.
6—Horiz. Mixers, 20 to 250 gal., single & double arm.
1—Pfaudler 150 gal. Jack. Spiral Mixer.
2—Worthington 12" x 12" x 12" Vac. Pumps.
2—DeLaval Multiple Clarifiers, 300 & 301.
2—Rotary Screens, 18" x 72".
6—Attrition Mills & Disc Grinders.
1—Double Stand Steel 4-Roller Mill.
10—Iron Mills, 12", 14" & 18".
8—Stone Mills, 8" to 32".
6—Lead & Paste Mixers to 300 gals.
3—Varnish Kettles, 200 gals.
1—Buffalo 200 gal. Autoclave 1500 PSI.
6—Single & Double Roll Crushers.
Rotary, Centr., Triplex. Pumps.
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Soap Machinery for Toilet, Laundry, Chip, Liquid, etc.

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**1—Nickel-Lined Jacketed Kettle, 4,000 gals.**

1—Stainless Steel Jacketed Agitated Kettle, 1,300 gals.
2—Pfaudler Jacketed Stainless Steel Tanks, 15,500 gals.
2—Shriver C.I. P/F Filter Presses, 42" x 42", 64 Chambers.
1—Shriver C. I. P/F Filter Press, 36" x 36", 52 Chambers.
2—Shriver C.I. Filter Presses, 18" x 18".
1—Shriver Stainless Steel Filter Press, 18" x 18".
2—Louisville Rotary Tube Dryers, 54" dia., 30' long; 6' dia., 50' long.
15—Sharples Super Pressurite Centrifuges, 3 HP Explosion-Proof Motors.

**R. GELB & SONS, INC.**
UNION, N. J.
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## PROCESS EQUIPMENT FOR SALE

1—No. 12 Sweetland Filter Press, 36 leaves, 4" centers.
1—4 ft. dia. x 32 ft. long Rotary Dryer, drive and motor.
1—4 ft. dia. x 9 ft. long Atmospheric Drum Dryer.
1—4 ft. dia. x 12 ft. long Atmospheric Drum Dryer.
1—No. 1 Raymond Pulverizer, Cyclone, Blower & Motors.
1—No. 1 Gruendler Pulverizer & 7½ HP. Motor.
1—No. 3 Mikro Pulverizer & Motors.
1—No. 2 Mikro Pulverizer & Motors.
1—5 ft. Gayco Separator & 5 HP motor.
1—30" Raymond Separator & 3 HP Motor.
1—Model 100 Sprout Waldron "V" Style Mixer.
2—24" x 24" Sperry Plate & Frame Iron Filter Presses.
1—30" x 30" Shriver Plate and frame Wood Filter Press.
1—6 ft. dia. x 6 ft. long Thropp Silex Lined Pebble Mill.
1—6 ft. dia. x 5 ft. long Porcelain Lined Pebble Mill.

*Write or Wire Your Requirements*

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**W. & P., Day Cincinnatus and Imperial Type Mixers; Hottmar Paragon, Read, Single and Double Arm from 2 gallons to 300 gallons.**
**Elgin 24 spout Rotary Vacuum Filling Machine.**
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**J. H. Day and Kent, Three Roll, 12" x 30", 16" x 40" Mills, motor driven with motor.**
**Mullers or Chasers 2 ft. to 6 ft. sizes.**
**Ermold and World Semi-Automatic Labeling Machines.**
**U. S. Bottlers C-10 and A-6 Acme Fillers.**
**Copper Steam Jacketed Kettles with and without Agitators.**
**Read, and Century Vertical Mixers, M.D.**
**Johnson and Oliver Sweetland Filter Presses.**
**Copper Stills and Vacuum Pans.**
**Huhn Rotary Continuous Dryers.**
**Schutz O'Neill Rotex, and Allis-Chalmers Lowhead Sifters.**
**Package Machinery Co., Johnson, Miller, all types of Wrapping, Packaging and Cartoning Equipment. (Please submit Samples of your item with Your Inquiry.)**

**ALL OFFERINGS SUBJECT TO PRIOR SALE. WRITE OR WIRE COLLECT FOR DETAILS AND PRICES. SEND FOR LATEST CIRCULAR!**

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2—Porter 40 gal. Pony Mixers.
5—Rotex, Day Sifters, 20"x48" to 60" x84".
1—Aisop S.S. Hi Speed Filter, 10 discs.
2—New S.S. Condensors, 210 sq. ft. having 51-1½" S.S. Tubes.
2—Jacketed and agitated Sulphonators, 150 gal. and 500 gal.
1—Devine 20-shelf Vacuum Dryer, 40"x 43", complete, still set up.
2—Kux Lehner Tablet Presses, 2½" diameter.
1—Colton No. 4½ Tablet Press, M.D.
5—Shriver and Sperry Filter Presses, 7" to 42".
2—New 550 gal. Glass-Lined Tanks.
3—Standard No. 429 Carton Gluers and Sealers with 45' Compression Belt.
13—Reade, Day, Peerless Dough Mixers, 1 bbl. to 5 bbl.
2—New Watson Stillman 200-ton Horizontal Extrusion Presses, Model No. 885.
2—Tyler Hummer Screens, 2'x5' with vibrators.
1—Kent, 3-Roll Mill, water cooled, 10"x30".
2—Jeffrey Hammermills, 15 HP motors.
1—Paterson 500-gal. Post Mixer.
9—150-gal. Varnish Kettles, 3 Monel.
1—New Porter 15 gal. Jar Mill, M.D.

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Stainless Steel Tanks, new, 100 and 200 gal., dished bottoms with stands.
20—Steam Jacketed kettles, stainless steel and aluminum, 30 to 250 gals. capacity.
1—Dopp 125 gal. Steam Jacketed Kettle with agitator.
1—Stedman 40" Cage Disintegrator.
Stainless Steel Vert. Tank, 7' dia. x 10', No. 430 Chrome.
1—Buflovak Impregnating Tank, 42" x 52", steam jacketed.
New Elec. Immersion Heaters, stainless, 500 watt, 115 volt, $15.00 ea.
2—New Ribbon Type Mixers 8 & 24 cu. ft.
54—Pumps, Steam and Electric, made of iron, bronze, stainless steel, rubber.
1—DeLaval Lub. Separator with ½ H.P. Motor.
1—18-Spout Karl Kiefer Rotary Filler.
6—Stokes Rotary Tablet Machines, Model RD-4.
10—New Sharples Oil Purifiers.
6—New Cleveo Can Filling Machines.

**SPECIAL**
2—American Hard Rubber Pumps, 200 G.P.M. at 50' with 7½ H.P. Motors.

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POSITIONS VACANT AND POSITIONS WANTED—Minimum $2.00, thirty-six words or less; 35c for each additional six words.

ALL OTHER CLASSIFIED ADVERTISEMENTS—$5.00, thirty-six words or less; 65c for each additional six words or fraction.

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**Distributors or** sales agents for Lamepon, nationally known unique basic organic surface-active agent combining the following properties: detergency, emulsification, wetting, dispersion, leveling, foaming, lime stability, rinsibility. Used in all textile processing, fur and leather processing, laundries, in soap and detergent powders, car washes, cosmetics, shampoos, bubble baths, insecticides, emulsions, etc. Protean Chemical Corp., Room 1118, 150 Nassau St., New York 7, New York.

### AGENCIES WANTED

**A Canadian** firm, financially responsible, wishes to represent American pharmaceutical and chemical manufacturers for Canadian drug, paint and other industrial use. First class references. OPD 161.

### EQUIPMENT OFFERED

**Heavy duty** paste mixers—225 and 500 gallon capacity—semi-paste mixers 500 and 1000 gallon. Reduction gear head all enclosed. Can be run direct by V-belts or from your power line. Can furnish complete with totally enclosed or explosion-proof motors. Four week delivery. Eagle Chemical Coating, 1101 Center Street, Cleveland 13, Ohio.

**Chemical Centrifuge:** For sale, Tolhurst model 35 suspended centrifugal, 26 in. diameter perforated steel basket, stainless shaft and unloader, bottom discharge, basket completely enclosed with vapor tight case ring for volatile or toxic filtrates. Driven by a two speed 1200/600 RPM Louis Allis 220 volt, 3 phase, 3 cycle, 5 H.P., totally enclosed fan-cooled motor. Water tight starter and push button included. Machine is in "like new" condition. OPD 171.

**6—Stokes** tablet presses RD-4, mfd. in 1942. Had very little use. Practically new—priced low! Available for immediate shipment. OPD 172.

**Specific gravity** separator for sale. A Sutton Steele and Steele model B-100 separator. Never used. $1000 complete. OPD 178.

### EQUIPMENT WANTED

**Wanted: Jacketed,** glass lined reactors with agitators and drives (Pfaudler or Glascote), 20 gallon to 1,000 gallon. Linings must be in good condition. Explosion-proof motors preferable. OPD 156.

**Organic Laboratory** equipment of all kinds. Physicians' Drug & Supply Co., 355 N. Third Street, Philadelphia 6, Pa.

### FACILITIES OFFERED

**High Vacuum** distillation, fractionation, processing, extraction, solvent removal. Specializing in essential oils, aromatics, resins. Modern stainless steel and glass lined equipment plus 25 years experience. OPD 148.

**We have** facilities available for limited amount of commercial granulating and fine pulverizing. Small quantities accommodated and sized to your specifications without contamination. Prompt service. OPD 149.

### MATERIALS OFFERED

**Special cut** pyroligneous acid-filtered and distilled good color with strong smoke flavor. For samples and prices contact—American Turpentine & Tar Co., Ltd., P.O. Box 1256, New Orleans 10, La.

**Offered subject** to prior sale approximately 800 bags Pacific crystals chemically identical with Sesquicarbonate of soda crystals, physically a finer crystalline structure. Also 18,600 pounds granular borax. Advise best offer. OPD 153.

**Sodium sulfite,** crystals, technical, 10,000 pounds in 5-pound cans. Ethyl cellulose hot-dip sealing compound for metal protection, 6,000 pounds. Corks, 750,000 XX quality, sizes 0 to 20. Aluminum Welding Flux No. 22. Clearance at less than one-half wholesale. OPD 160.

**Agar-Agar**—packed in bales of 50 catties—shipment from Hong Kong. Sample sent on request. Write offer for C.I.F. delivery U. S. port to Sincere Mercantile Co. (Shanghai) Ltd., P.O. Box 353, Pasadena, California.

**For sale**—Titanium Pigments; Titanium Paste; Zinc Oxide, leadfree; Zinc Oxide 35% leaded; CP Chrome Green. OPD 165.

**Iron Oxides,** natural and synthetic; available for prompt delivery; continuous supply; samples and quotations upon request. OPD 170.

**For sale:** Carload 50 percent liquid caustic soda. Packed in 55 gallon steel drums. $6 drum deposit returnable. 4½ cents per pound f.o.b., Wisconsin. OPD 175.

**One original** drum, approximately 600 pounds Sorbo, containing net Sorbitol content of 420 pounds, for sale at good discount from regular price. EV. 7-7839 or OPD 176.

### MATERIALS WANTED

**By-product chlorinated** hydrocarbon solvent mixtures. Please send analyses and price idea in tankcars or carload drum lots. The Curran Corporation, South Canal Street, Lawrence, Massachusetts.

**Do not** wait until conditions further limit prospects of disposing of top-heavy inventories. Will purchase surplus unshipped commodities, all kinds. Particularly interested in gums, waxes, spices, botanicals, oils, greases, pharmaceuticals, chemicals. OPD 177.

**Mibk, Phenol,** Lithopone for continued supplies. Only original packing. We buy all solvents and chemicals. Herman Meyer Drug Co., 116-23 Jamaica Ave., Richmond Hill, New York.

### MATERIALS WANTED

**Require large** quantities sodium bichromate, potassium bichromate, chromic acid flakes, caustic soda, for long time contracts. Good values paid. Submit prices and details to Octagon Process, Inc., 201 62 Street, Brooklyn 20, N. Y.

**Need Titanium** pigments desperately in order to carry on business. Any reasonable bonus paid or will exchange for other pigments or chemicals plus consideration. All transactions held in strictest confidence. Samuel Smidt Chemical Co., 410 Frelinghuysen Ave., Newark, N. J.

### PARTNER WANTED

**Active partner** with $25,000 offered minority interest in well established chemical concern with excellent domestic and world wide connections. Must be good administrator. Chemical or pharmaceutical background preferred. Interesting activity with good earning possibilities. State education, experience, references. Box 317, 1474 Broadway, N. Y.

### PLANTS OFFERED

**Equipped chemical** plant. High one-story sprinklered building, 24,000 sq. ft., railroad siding, dock facilities, 24 hour live steam available. Stainless steel, glass-lined and wood tanks, jacketed kettles, refrigerating units. All utilities, laboratory, office, etc. Unrestricted zone, Brooklyn. Low rent. The R. L. Kraft Company, Woolworth Building, COrtlandt 7-9377.

### PLANTS WANTED

**Paint, Lacquer** or Varnish plant wanted for rent or purchase, in New York metropolitan area. Partnership possible. OPD 173.

### POSITIONS VACANT

**Salesman, experienced** with following for crude drugs, gums and other raw materials. Drawing against commission, excellent opportunity. OPD 138.

**Organic Chemist** with experience in chlorinating aromatic hydrocarbons, for monochlorbenzene, paradichlorbenzene, benzene hexachoride. Must have ability to take processes from laboratory scale through to commercial production. Location western Pennsylvania. OPD 155.

**Several men** wanted to sell lacquers & synthetic enamels, etc., to industrial accounts. Full time or as a side line. Commission basis. Territories open in N. J., N. Y., Conn. & Pa. Address c/o OPD 151.

**Salesman wanted** by manufacturer of fine chemicals to contact drug manufacturers, laboratories and exporters, etc. Chemical or medicinal background preferred. Permanent position with excellent future. Box 311, 1474 B'way, N. Y.

**Chemical Buyer:** Progressive West Coast chemical export firm wants first class chemical man with wide experience and connections with U. S. manufacturers to open New York office. Must spend few weeks West Coast to acquaint himself with organization. Please submit detailed statement of qualifications, experience, terms and photograph. OPD 162.

### POSITIONS VACANT

**Pharmaceutical tablet** manufacturer requires the services of a tablet man with complete knowledge of granulating, compressing and coating. Give full details regarding previous experience and employment. Steady job. Good pay. OPD 144.

**Chemist:** Young, enthusiastic . . . qualified by education or experience and capable of growth to gradually assume full responsibility for new industrial chemical laboratory. Originators and patentees of Self-Emulsifying Solvents. This is a ground floor opportunity in a new and exclusive industry. A very practical, creative mind now employed can best qualify for this unusual job. Apply by letter only. The Curran Corporation, So. Canal Street, Lawrence, Massachusetts.

**Industrial finishes** salesman, in East, with following and contacts wanted by progressive manufacturer of lacquer, synthetic and emulsion type coating material specialities. Commission and some drawing account. OPD 174.

### POSITIONS WANTED

**Executive Assistant** seeks position with company looking for man with long experience in dyestuff, chemical and allied industries. Activities have covered sales, purchases, factory accounting and labor relations. Can give best of references. OPD 159.

**Purchasing Agent,** young, engineering background, desires position in progressive organization. Experienced in food and chemical industries. Thorough knowledge of purchasing procedures, expediting and related duties. Knows markets. Excellent contacts. OPD 164.

**Chemist, presently** employed manager and chief chemist of textile plastic coating plant. Twelve years experience, vinyls, organosols, pyroxylin, all synthetic coatings, research development, production, purchasing, labor relations. OPD 166.

**Chemist, M.S.** 1947, Ph.D. credits. Two years research and development of detergents, emulsions, synthetic organic chemicals. Education includes Micro and Colloid chemistry. Age 26. Available immediately. New York City area preferred. OPD 167.

**General Manager** — Processing and packaging industry as food, soap, confectionery, cosmetics, or similar. Position desired responsible for all phases of business including manufacturing, advertising, sales, financial, personnel or research divisions. Excellent administrator and coordinator with ability to draw best from assistants and work with directors. 14 years experience in processing and packaging industries. Age 37. Now employed. Degrees in industrial engineering, business and economics, and management. Present income $17,000 salary plus $7,000 profit sharing, etc. OPD 168.

**Seasoned sales** and promotional executive available, 34, personable, excellent background, management, liaison to industry, industrial, agricultural chemicals and consumer pkge. field. Seeks affiliation with progressive manufacturing firm in chemical or allied fields. Locate N. Y. Salary, $8-10,000. OPD 169.

**For plant** managers, production supervisors, engineers, research chemists, bacteriologists, analysts, pharmacologists, salesmen, sales managers, and technically trained executives, call or write Chemical Department, Position Securing Bureau, Inc. (Agency), 45 John Street, New York City. Telephone COrtlandt 7-9650.

### SERVICES OFFERED

**Wax chemist,** extensive experience in development and manufacture of microcrystalline waxes, industrial wax blends, floor waxes, emulsions, shoepolishes, dressings, cleaners, other household specialties, cosmetics, offers his consulting services. Kroner Laboratories, 275 Water Street, New York 7, N. Y.

## *Trade Briefs*

**M. McIver,** general auditor for California Texas Oil Company, Ltd., for the past nine years, has been elected vice-president in charge of fiscal matters.

**Transgulf Corporation,** offering 296,016 shares of stock to the public at $1 a share, will use the proceeds to develop its oil and gas leases and to carry on and expand its business.

**Standard Oil Company** of California has made plans for the construction of a 22-story skyscraper to be located at 265 Bush street in San Francisco. The new structure, the tallest to be built since 1929 in that city, will cost more than $4,000,000.


**SAVE!!!**

**AGITATORS**

2—Dorr rubber covered shaft & 50" turbine type impeller 20 HP totally enclosed motor, speed reducer & controls.
4—"Lightnin" portable type 2 HP, 400 RPM explosion proof motors.
6—Side entering type, 10 HP motor and controls.
25—NEW portable type ¼ HP to 1 HP motor.

**FILTERS**

1—Oliver Rotary 3' x 4' lead lined.
1—Oliver Rotary 8' x 8' rubber lined.
2—NEW SWEETLAND No. 5—NEVER USED.
1—C. I. 30" x 30" Recessed plate press, 35 plates.
1—Sperry 30" x 30" bronze plate and frame press.
2—Shriver 30" x 30" wood plates and frames.
2—SPARKLER 18-D-4, stainless steel.

**MILLS**

2—Thropp, plastic or rubber, 30" x 42".
2—Ross, paint, 16" x 40".
1—Kent, paint, 16" x 40".

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ALL SIZES, ALL TYPE, ALL MODELS
REBUILT AND GUARANTEED

**PRESSES—TABLET**

5—Colton rotary No. 2; 16 punch head will take up to ⅜" tablet.
9—Stokes rotary D4; 16 punch head to 1" tablet.

**TANKS**

1—Stainless 6,000 gal. jacketed, agitated & insulated.
1—Glass lined 500 gal. 4'8" dia. x 6'6" dished heads acid resistant glass.
1—Glass lined 1,000 gal. 6'6" dia. x 6' high (2) manholes in top, 2/3 jacketed, 50-lb. press. acid resistant glass.

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**FOR SALE**

Filter Press: 36", 52 plates and frames.
Centrifugal: 40" Fletcher, suspended.
Centrifugal: 30" Rochester, suspended.
Mixer: 5,000 lb. Day, dry powder, with sifter.
Mixer: 1,200 lb. dry powder (new).
Mixers: Jack, ribbon type, 80, 160 gal.
Dryer: 4' x 18' direct heat rotary.
Kettles: 60 and 100 gal. stain. steel.
Fillers: Siphon type bottle and can.
Mixer: 40 gal. Day pony, 1-speed.
Labeler: World rotary automatic.
Filters: Alsop stain. steel, 2,000 GPH.
Autoclave: Pfaudler 1 gal., 1,000 lb.
Filler: Triangle SPA volumetric.

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**RECONDITIONED DRUMS**
55 Gallon Bung Type and Open Head
Various grades for all purposes
Immediate Delivery from stock
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Telephone 5-4155



**M. E. C. OFFERINGS!**

5—Stainless Steel Jacketed Kettles, 200 & 300 gals.
1—Nickel Jacketed Vac. Pan with Agitator, 200 gals.
2—Oliver 8' x 4' and 6' x 4' Lead Lined Filters.
2—Sweetland No. 5 Filters, 20 Bronze Leaves.
1—Pfaudler Horiz. S. S. Tank, 6,000 gal., Jacketed & Agitated.

SPECIAL!
Completely Automatic Liquid Filling Line consisting of:—
1—Unscrambling Table.
1—Automatic Rotary Vacuum Filler.
1—Automatic Labeler.
1—Capem 4-Head Automatic Capper.
1—Case Sealing Unit.
All Ready for Immediate Shipment

*Send for bulletins listing agitators, centrifuges, dryers, elevators, filters, grinders, kettles, tanks, labelers, retorts, sterilizers, case sealers, etc.*

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**SOLIGEN IRON 6% is the best source of oil-soluble iron, a valuable special drier.**

SOLIGEN IRON 6% is suggested in paint products

(a) For baking vehicles as a polymerization catalyst to produce tougher films and excellent gloss.

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(c) As a grinding aid to improve carbon black dispersion and gloss of such air drying enamels.

(d) As an aid to drying power retention by inclusion in the grinding paste to lessen the tendency toward adsorption of the active driers added after the grind.

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| PROPERTIES | |
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| Type of Oils | Vegetable |
| Viscosity | Z7 |
| Color (Gardner) | 7-9 |
| Acid Value | 20-24 |
| Rosin Test | Negative |
| Lbs. per Gallon | 8.0 |
| Viscosity, limed, 30% solids | S-T |

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